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AIR FORCE SYSTEMS COMMAND

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RESEARCH PROPOSAL  
QUARTERLY STATUS REPORT

AFOSR-TR. 88-0677



JANUARY - MARCH 1988

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**RESEARCH PROPOSAL  
QUARTERLY STATUS REPORT**

**APRIL 1988**

*PREPARED BY:*

*DEBRA TYRRELL, CHIEF  
TECHNICAL DOCUMENTS SECTION  
AFOSR/XOTD*

*BOLLING AFB, DC 20332-6448*

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## INTRODUCTION

This Research Proposal Status Report is published quarterly as of March, June, September, and December of each year. It lists all the research proposals received by the Air Force Office of Scientific Research (AFOSR) in the six month period prior to the date of this report. Normally, decisions and actions are made within six months after receiving a research proposal. The action taken (i.e. Initiated, Declined, or Withdrawn) will be listed in this Report. The report is divided into two parts: Part I is the Institution Index which lists the proposals received, alphabetically by institution. Part II is the AFOSR Directorate Index in which the proposals received are listed alphabetically by Directorate and alphabetically by AFOSR Program Manager within the Directorate. Any questions regarding this report, please contact Ms. Debra Tyrrell at (202) 767-4912 or Autovon 297-4912.

## PURPOSE

The purpose of the quarterly report is to inform other Government sponsoring agencies of the proposals received by the AFOSR and the action taken on these proposals. Users of the report should read and clearly understand that:

Declined proposals should not necessarily be considered as scientifically unacceptable since many declinations result from a lack of funds or from special programmatic emphasis.

## AFOSR MISSION

The Air Force Office of Scientific Research (AFOSR) is the single manager of the Air Force Defense Research Sciences Program (Program Element 61102F) and the primary Air Force agency for the extramural support of fundamental scientific research. The AFOSR is organized under the Director of Laboratories, Air Force Systems Command.

AFOSR awards grants and contracts for research in areas of science relevant to the needs of the Air Force. Research is selected for support from unsolicited proposals originating from scientists investigating problems involving the search for new knowledge and the expansion of scientific principles. Selection is on the basis of scientific potential for improving Air Force operational capabilities, originality, significance to science, the quality of the principal investigators, and the reasonableness of the proposed budget.

Available and/or  
Special

A-1



or

(1)

KEY TO READING THE DATA

TITLE - The title of the research proposal

INSTITUTION - The organization, i.e., College/University, Company, etc., at which the research will be conducted.

INVESTIGATOR - The Principal Investigators proposing the research.

TYPE - N indicates a new research effort.

- R indicates a continuation of an ongoing research effort.

MONTHS - The duration of the research proposal.

RECEIVED - The month and year in which the AFOSR received the proposal.

AMOUNT - The funds requested of the AFOSR for support of the research proposal.

STATUS - A = ACCEPTED indicates that the review has been completed and the proposal recommended for funding.  
- D = DECLINED indicates the proposal has been reviewed but will not be funded by the AFOSR.

- BLANK SPACE = indicates the proposal is being reviewed.

- W = WITHDRAWN indicates that the proposal submitted was removed from further consideration at the proposers request.

PROGRAM MANAGER - The AFOSR scientific staff member assigned the responsibility for the technical evaluation of the proposal.

PROPOSAL # - An AFOSR Directorate assigned control number to uniquely identify the research proposal.

INITIATED - The proposal has been recommended to the AFOSR Directorate of Contracts for the amount and duration.

START DATE - The recommended date for commencement of the research.

TOTAL AMOUNT - The estimated number of dollars recommended for support of the research effort; the actual amount is subject to negotiation.

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH SCIENTIFIC STAFF DIRECTORY  
BOLLING AIR FORCE BASE, DC 20332

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	EXT	EXT
Director Dr Michael Salkind	4987	4278
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Prog Mgr Dr Anthony Amos	4937	5021
Prog Mgr Dr Spencer Wu	6962	5021
Prog Mgr Dr Julian Tishkoff	0465	5021
Prog Mgr Dr James McMichael	4936	
Prog Mgr Dr Steven Boyce	6963	
Prog Maj George Hartlos	0463	
Prog Mgr Cap Henry Helin	0471	

NL - DIRECTORATE OF LIFE SCIENCES

	EXT	EXT
Director Dr Robert K. Dismukes		
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Prog Mgr Dr Alfred R. Fregly		
Prog Mgr Maj T. Jan Cerveny		
Prog Mgr John F. Tangney		
Visiting Prof Dr Don C. Teas		

NM - DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES

	EXT	EXT
Director Maj James Crowley		5025
Prog Mgr Maj Brian Woodruff		5027
Visiting Prof Dr Richard Miller		5028
Prog Mgr Dr Abraham Waksman		
Prog Mgr Dr Arje Nachman		

NC - DIRECTORATE OF CHEMICAL AND ATMOSPHERIC SCIENCES

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Director Dr. Donald Ball	4960	
Prog Mgr Lt Col James Koerner	4960	
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Prog Mgr Dr Francis Wodarczyk	4963	

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Director Col Jerry J. Perrizo		4904
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Prog Mgr Maj John Prince		4908
Prog Mgr Dr Howard R. Schlossberg		4906

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Prog Mgr Dr Gerald Witt	4931	
Prog Mgr Dr Clyde Giles	4931	
Prog Mgr Dr Harold Weinstock	4933	

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Autovon 297-XXXX

# PART I

INSTITUTION	INVESTIGATOR LAST NAME	INVESTIGATOR FIRST NAME	MIDDLE	PROPOSAL	STATUS	P/M NAME
ADVANCED COMPOSITE ENGINEERING, INC.	SUN	C	T	98-NA-162	HARITOS	
ADVANCED DECISION SYSTEMS	SEBAND	PATRICE	A	98-NA-163	HARITOS	
ADVANCED TECHNOLOGY LABORATORIES INC.	SERIC	MICHAEL	R	88-NE-063	ROSENSTEIN	
ADVANCED TECHNOLOGY LABORATORIES	SOLLOMON	PETER		88-NM-298	CROWLEY	
ADVANCED MATERIALS TECHNOLOGY	KIM	Y		88-NA-120	TISHKOFF	
ADVANCED TECHNOLOGY ENGINEERING CONS.	VENKATESAN	MAHADEVA	S	88-NA-117	TISHKOFF	
ADVANCED TECHNOLOGY LABORATORIES	JENNINGS	JACK	R	88-NA-118	TISHKOFF	
AERODYN INCORP.	MUHL JR.	JOSEPH		88-NA-160	WEINSTOCK	
AERODYNE RESEARCH INC	MUHL JR.	JOSEPH		88-NE-106	A	
AEROMETRICS INC	MOOKER	STEPHEN	F	88-NA-155	MCMICHAEL	
AEROSPACE COMPANY	PUTNAM	ROGER	S	88-NM-216	CROWLEY	
AEROSPACE MEDICAL DIVISION	STINESPRING	CHARTER	D	88-NM-217	CROWLEY	
AEROTECH SYSTEMS CORPORATION	BACHALO	WILLIAM	O	88-NM-218	CROWLEY	
AIR FORCE PHYSICS LABORATORY	FLAMM	JOSEPH		88-NM-219	CROWLEY	
AIR FORCE INSTITUTE OF TECHNOLOGY	CANTU	STEPHEN		88-NM-221	CROWLEY	
AIR FORCE WEAPONS LAB	CULLEN	LARRY		88-NM-220	CROWLEY	
AIRBORNE RESEARCH ASSOCIATES	PRASAC	J.		88-NA-157	MCMICHAEL	
ALAN S. PIKE	MILLER	ANTHONY	N	88-NE-066	SCLOSSBER	
ALBION COLLEGE	PALAZOTTI	WON		88-NE-088	MALLORY	
AMERICAN PSYCHOLOGICAL ASSOCIATION	ROH	LYNN		88-NA-109	MCMICHAEL	
AMERICAN RESEARCH CORP. OF VIRGINIA	WOLAYER	HOWARD		88-NA-111	BIRKAN	
ANALOGUE INC	BURNETTE	RALPH	J	88-NM-292	A	
ANALYTICAL METHODS INC	MARKSON	ALAN	S	88-NL-047	MILLER	
ANALYTICAL SERVICES & MATERIALS INC.	PIKE	MARK		88-NL-046	DISMUKES	
APPLIED ANALYSIS, INC.	WEERSCHAERT	LEONARD		88-NP-079	DISMUKES	
APPLIED CRYSTAL ENGINEERING, INC.	GOODSTEIN	NIMURA		88-NA-034	RAJOSKI	
APPLIED ENGINEERING RESEARCH, INC.	GODSTEIN	GABRIEL		88-NA-205	SCLOSSBER	
APPLIED INNOVATION, INC.	LAUFER	JAMES		88-NE-037	A	
APPLIED MICROWAVE PLASMA CONCEPTS	NATHMAN	S		88-XO-005	SMITH	
APPLIED SCIENCE, INC.	MANGALAM			88-NM-193	EDMUND	
APTECH ENGINEERING SERVICES, INC.	MUANZUI			88-NC-087	CROWLEY	
ARCHITECTURAL ENERGY CORPORATION	KEYSER	EDDIE		88-NL-134	KOERMER	
ARGONNE NATIONAL LABORATORY	SEDEWI	NABIH		88-NM-193	FREGLY	
	DAVICSON	JOSEPH		98-NL-048	WODDRUFF	
	GUEST	GARETH		88-NE-071	FREGLY	
				98-NA-079	WEINSTOCK	
				88-NA-101	A	
				88-NA-077	TISHKOFF	
				88-NA-090	HELIN	
				98-NA-186	MCMICHAEL	
				98-NE-062	BARKER	
				88-NA-189	ROSENSTEIN	
				88-NA-137	HARITOS	
				98-NL-145	MCMICHAEL	
					CERVERY	

INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
SABJUNGI WESELY CHUDYCVSKY BYRNES FERRY FINDLER S. TAYLOR MIZIOLEK HUSKY BROWN	MARIE-LOUISE MARVIN DAVID CHRISTODER DAVID NICHOLAS THOMAS ANDRZEJ LEONARD FRANK	L V I K V J W M		88-NC-111 88-NL-144 88-NM-296 88-NM-191 88-NE-121 88-NM-351 88-NM-303 88-NA-128 88-NC-163 88-NE-256 88-NM-209	A A A A A A A A	WILKES CERVENY CRUMLEY CRUMLEY MALLORY WACKMAN CRUMLEY TISHKOFF KOERMER GILES WACKMAN TISHKOFF NACHMAN KOERMER KOERMER WILKES SCALLOSSBER WIJARCZYK FREGLY HARITOS BURGGRAF BURGGRAF WEINSTOCK WU BERY ULRICI WOLDRUFF TANGNEY NACHMAN MATUSZKO WEINSTOCK WITT NACHMAN MALLORY BERRY DAVIS CRUMLEY BARKER CRUMLEY HENRY CRUMLEY MALLORY CRUMLEY CRUMLEY NACHMAN NACHMAN WILLER
ARMED ARMAMENT RES COMMAND BALLISTICS RSCH LA ARMY ENGINEER WATERWAYS EXPERIMENT STA ARTIFICIAL INTELLIGENCE RSRCH INSTITUTE	NAKAMURA KERY HOFFMAN NEHRKORN THONNARD	TAKASHI FRED ROSS THOMAS NORBERT	R N V E	88-NA-176 88-NC-085 88-NC-076 88-NC-395 88-NC-053	A	
ASTRON RESEARCH & ENGINEERING ATLANTIC APPLIED RESEARCH ATMOSPHERIC AND ENVIRONMENTAL RESEARCH	CARSON WATKINS WILLIFORD SIMO	SUSAN THOMAS R CONSTANCE	O V E	88-NC-114 88-NL-133 88-NA-145 89-NC-089	A	
ATOM SCIENCES, INC.				89-NC-090		
DOM CORPORATION 3K DYNAMICS, INC. BATTELLE PACIFIC NORTHWEST LABORATORIES DELTRAN ASSOCIATES INC				88-NC-091 88-NE-098 88-NA-135 88-NL-070 88-NC-136	D	
SIMO PANAHANDEH SRAMEK LUHMAN	CONSTANCE M. S. THOMAS	MURAD BALDASSARE DI JAMES SO-YISIANG BRYANT DONALD	S T E	88-NM-169 88-NP-094 88-NL-065 88-NY-293 88-NC-143	D	
BELTRAN INC BERKELEY APPLIED SCIENCE & ENGR. BOILED MEDICAL MANUFACTURING, LTD. BOEING CO		TAQQU BARTOLD TODD CHOU ROSSITER ROSEMEIER		89-NE-070	D	
BOSTON UNIVERSITY		JOSEPH FRED FORD MATTI ALLAN JOHN JAMES WALLACE	E H F M V	88-NE-079 88-NM-192 88-NE-127 88-NL-074 98-NC-018 88-NM-301 88-NP-085 88-NM-258		
BOULDING GREEN UNIVERSITY BRIGHAM YOUNG UNIVERSITY SRIWORSE CORP. OF AMERICA		PASCIAK POLLAK FENNER MARICA PEARSON BURKE CARROLL LARIMORE		98-NC-014 98-NM-247 98-NE-092 98-NM-262 98-NM-280 98-NM-158 98-NM-270 98-NC-327	A	
BROOKHAVEN NATIONAL LABORATORY BROOKLYN COLLEGE OF CUNY BROOKLYN UNIVERSITY				98-NM-132	A	
BURKE TECHNOLOGIES INC. BUSINESS & TECHNOLGICAL SYSTEMS, INC.				98-NC-012		
CVD EQUIPMENT CORPORATION CALIFORNIA ADVANCED INTEGRATION		RAVI MARTHA DAVID DONALD SEOFERREY ROBERT		98-NC-092 98-NM-262 98-NM-280 98-NM-270	A	
CALIFORNIA INSTITUTE OF TECHNOLOGY				98-NM-327	A	

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH  
STATUS - 'A' = ACCEPTED, 'D' = DECLINED, 'W' = WITHDRAWN

INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
CARNEGIE-MELLON UNIVERSITY	YARIV	AMNON		88-NE-131	A	GILES
CHARLES EVANS & ASSOC.	HRUSA	WILLIAM		88-NP-935	A	SCHLOSSBER
CASE WESTERN RESERVE UNIVERSITY	SHREVE	STEVEN	E	88-NM-359	A	NACHMAN
CENTER FOR REMOTE SENSING	WELSCH	GERHARD		88-NE-302	A	CROWLEY
	GANGULY	SUMAN		88-NE-113	A	ROSENSTEIN
CENTRO DI CULTURA SCIENTIFICA VOLTA	CASATI	GIO		88-NA-080	A	NACHMAN
CERAMICS PROCESS SYSTEMS	HODGE	JAMES	O	88-NE-189	A	BARKER
CHARLES DYNAMICS CORPORATION	HERMAN	MICHAEL	H	88-NE-966	A	HARITOS
	MURTHY	C		88-NE-080	A	WITT
CHIRP CORPORATION	SWAMINATHAN	P		88-NE-091	A	MALLOY
CITY COLLEGE - CUNY	ALTES	RICHARD	A	88-NC-159	A	DAVIS
CLARKSON UNIVERSITY	BROWN	MARK	H	88-NL-135	A	FREGLY
	KOCH	MARK	L	88-NM-359	A	WOODRUFF
COLLEGE OF WILLIAM AND MARY	THEIS	THOMAS	R	88-NE-039	A	GILES
COLORADO SCHOOL OF MINES	SHIER	DOUGLAS	R	88-NL-117	A	CERVENY
COLORADO STATE UNIVERSITY	HAGIN	FRANK	R	88-NM-368	A	WOODRUFF
	REITER	ELMAR	R	88-NM-356	A	NACHMAN
	ROCCA	JORGE	J	88-NC-152	A	KOERMER
COLUMBIA UNIVERSITY	SRIVASTAVA	JAYA	J	88-NP-110	A	WOODRUFF
COMPENSABLE SOLICITATION	EISENTHAL	KENNETH	B	88-NM-167	A	BURGGRAF
COMPTEK CORP	PALMER	HOWARD	B	88-NC-073	A	BIRKAN
COMPUTATIONAL MECHANICS CONSULTANTS INC	IDENTIFIED	YET	B	88-NA-150	A	FREGLY
COMPUTER & INFORMATION SCIENCES, INC.	SIH	GEORGE	C	88-NL-060	A	MCMICHAEL
COMPUTER AIDED PLANT SCHEDULE INC.	MANHARDT	P	D	88-NA-135	A	MCMICHAEL
COMPUTER COMMAND & CONTROL COMPANY	VIDE	JOSEPH	D	88-NA-099	A	CROWLEY
COMPUTER PERFECTION UNLIMITED (CPU)	LOGFREN	CHRISTOPHER	B	88-NM-250	A	CROWLEY
CONCEPT ANALYSIS CORPORATION	LOCK	EVAN	B	88-NM-293	A	CROWLEY
CONCEPT TECHNOLOGY	WEISINGER	RICHARD	B	88-NM-286	A	CROWLEY
CONTINUUM DYNAMICS, INC.	GLANCE	PAUL	B	88-NE-229	A	ROSENSTEIN
CORIELL INSTITUTE FOR MEDICAL RESEARCH	BESSELIN	DAVID	H	88-NE-064	A	CROWLEY
CORNELL UNIVERSITY	DELANIN	ALAN	H	88-NM-252	A	TISHKOFF
	GILAD	GAD	J	88-NA-196	A	SERRY
	ALEXANDER	MARTIN	J	88-NL-165	A	CERVENY
	HEALEY	TIMOTHY	J	88-NL-109	A	WOODARCZYK
	HOUSTON	PAUL	J	88-NM-174	A	NACHMAN
COVX INC.	STUART	JOHN	L	88-NC-119	A	WOODARCZYK
CREARE INC. RESEARCH & DEVELOPMENT INC	DVINSKY	ARKADY	S	88-NA-110	A	NACHMAN
CRYSTALLUME	RAVI	K	S	88-NA-094	A	MCMICHAEL
	RAVIED	K	V	88-NA-116	A	HARITOS
DWA COMPOSITE SPECIALTIES, INC.	COLONY, JR	JOSEPH	V	89-NE-093	A	MALLOY
DEJA JAI INDUSTRIES	HOLDI	ALBERT	F	98-NE-059	A	ROSENSTEIN
DATA RESEARCH	DAVID	DAVID	C	88-NA-172	A	WJ
			A	88-NE-107	A	SCLOSSBER

REPORT DATE 04/21/83

INSTITUTION INDEX ( 1 JAN 88 - 31 MAR 88 )

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

STATUS - 'A' = ACCEPTED, 'D' = DECLINED, 'W' = WITHDRAWN

INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
DECISION RESEARCH	O'KEEFFE	ANTHONY		98-NP-112	A	SCHLOSSBER
DECISION SCIENCE CONSORTIUM INC.	MAGREGOR	DONALD		88-NL-077		FREGLY
LASKAY	KATHRYN	KATHRYN	B	88-NM-287		CROWLEY
LEDDO	JOHNY			98-NL-137		FREGLY
CHAMBERLAIN	PETER			88-NA-156	A	WJ
WANG	CHENG			88-NM-282		CROWLEY
KOSA	RICHARD			88-NE-103		MALLOY
SELPRIQUE	SCOTT			88-NA-190		TISHKOFF
DIGIULIC	RICHARD			88-NL-149		CERVENY
MADEY	JOHN M.			88-NP-092	A	SCHLOSSBER
RECKHOW	KENNETH			88-NP-095	A	SCHLOSSBER
SCHAFFER	DAVID			88-NL-157		CERVENY
SQUIRE	ROBERT			88-NM-276		NACHMAN
KENNEDY	ROBERT	K		88-NP-772		PRINCE
POACHE	PAUL			88-NP-036	A	SMITH
EAGLE RESEARCH GROUP, INC.	EDWARD			88-NA-097		HELIN
EASTERN SPACE & MISSILE CENTER	GERALD			88-NM-165	A	CROWLEY
ECODYNAMICS RESEARCH ASSOCIATION INC	MALCOLM			88-NP-370		PRINCE
NG	LEDERMAN	H		88-NA-174		HELIN
CHAN	BURTON	E		88-NP-050		RAJDOSKI
LEFFERSON	WILLIAM	S		88-NE-108		WEINSTOCK
COX	PETER			88-NE-093		MALLOY
ELECTRIC OPTICS, INC.	TIMOTHY			88-NE-076		WITT
ELECTRO-OPTEK CORPORATION	JAMES			88-NP-089		SCHLOSSBER
ELECTRONIC DESIGN CONSULTANT	FRANK			88-NE-101		WEINSTOCK
ENERGY OPTICS, INC.	TATJOM			88-NA-079		MCMICHAEL
ENERGY SCIENCE LABORATORIES, INC.	RICHARD			88-NA-138	*	RAJDOSKI
ENGINEERING ANALYSIS, INC.	MICHAEL	H		88-NP-054		CROWLEY
ENGINEERING DEVELOPMENT LAB. INC.	JOHN			88-NM-235		CERVENY
ENRICO LEVI, INC.	RICHARD	H		88-NL-103		TAYNGNEY
ENTROPIC SPEECH INC.	ROBERT	S		88-NL-125		TAYNGNEY
ENVIRON SYSTEMS, INC.				88-NL-126		BERRY
ESSEX CORPORATION				88-NL-128		MALLOY
EUROPEAN OFFICE OF AEROSOL AND DEVELOP	SMITH, LT COL USAF LAREL			K		NACHMAN
EXETER UNIVERSITY	HALL			88-NE-051		HE-IN
EXTECH INC.	MOYLE	IAN		88-NM-355	A	HE-IN
FACC PERCEPTRONICS, INC.	ROGER			88-NA-105		HE-IN
FANTOZZI COMPANY, INC.	DHARMA SINGH	J		88-NA-106		HE-IN
FED. OF AMERICAN SOC. FOR EXPMNTL BIOLOGY	KHALSA			88-NM-261		CROWLEY
FELTECH	FANTOZZI	H		88-NM-260		NACHMAN
FLORIDA A&M UNIVERSITY	KRAJSS	H		88-NA-177		CERVENY
FLORIDA ATLANTIC UNIVERSITY	ELIAS			98-NL-081		BARKER
FLORIDA INTERNATIONAL UNIVERSITY	JONES			98-NP-084		DAVIS
FRANCIA STATE UNIVERSITY	FERNANDEZ	H		88-NC-123		WAKSMAN
FLOW INDUSTRIES INC	BARRIO-LAGE	B		88-NM-176		CERVENY
	PARSONS			88-NL-114		KOERMER
	FRANCES			88-NL-113		MCMICHAEL
	ALLAY			98-NC-093		TISHKOFF
	WEINER			93-NA-091		
	JCU			93-NA-073		
	MENDOZA					
	SURESH					

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INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
FLUID PHYSICS INC.	TRACI STUCKWISCH	RICHARD	W	88-NA-154	MCMICHAEL	
FORMAL SYSTEMS DESIGN & DEVELOPMENT INC	DRUY	STEVE	A	88-NA-096	MCMICHAEL	
FOSTER-MILLER INC		MARK	A	98-NC-069	ULRICH	
FOUR DIMENSIONS, INC	LUSIGNEA CHEN	RICHARD	W	88-NC-078	ULRICH	
GENERAL ANALYTICS CORPORATION	ADJMIAN	JAMES	G	88-NE-085	MALLOY	
GENESIS COMPUTER PRODUCTS INC	SARAFYAN	D.		98-NA-081	MCMICHAEL	
GEORGE WASHINGTON UNIVERSITY	KELLY GERTLER	WALTER		98-NM-235	CROWLEY	
GEORGIA TECH RESEARCH CORPORATION	NASH	JANIS		88-NA-082	BZRKAN	
GEORGIA UNIV RESEARCH FOUNDATION, INC	SMULSON	STEPHEN		88-NC-339	CROWLEY	
GEORGIA TECH RESEARCH CORPORATION	DELEVIE	MARK	E	88-NM-202	MILLER	
GEORGIA UNIV RESEARCH FOUNDATION, INC	FLANNERY	ROBERT		88-NL-153	CERVERNY	
KING	BRUCKNER	W		88-NC-115	WILKES	
KRCDON RESEARCH CONFERENCES INC	CRUCKSHANK	JAMES	R	88-NP-105	KELLEY	
	ALEXANDER	R. BRUCE	V	88-NL-106	CERVERNY	
	ALARAN	ALEXANDER	H	88-NC-100	MATUSZKO	
	GARSCADDEN	ALAN		88-NP-038	KELLEY	
	OTHMER	HANS	G	88-NP-096	KELLEY	
MC CHEMICAL RESEARCH & SERVICE CORP.	HSU	MING-TA	S	88-NM-295	A	NACHMAN
MCNC, UOC CHEMUT-NIELSEN NEUROCOMPUTER	PALMER	DOUGLAS	A	88-NC-160	MATUSZKO	
MACEDOR BRANCH OCEANOGRAPHIC INST., INC.	LAUGHLIN, JR.	ROY	B	88-NC-237	CROWLEY	
HARRIS CORPORATION	BERNSTEIN	DENNIS	S	88-NL-104	CERVERNY	
HARVARD UNIVERSITY	RICHTER	STEPHEN		98-NM-315	CROWLEY	
HARVEY MECHAN ASSOCIATES	GABRIELSE	GERALD		88-NP-042	A	PRINCE
HUIHES RESEARCH LABORATORIES	GROSSZ	BARBARA	J	88-NC-133	A	WAKSMAN
HYESON (HELEN) CHU ZEMAN	MECHAM	HARVEY	O	88-NE-054	GI-ES	
IAP RESEARCH, INC.	ELWELL	DENNIS	F	93-NE-039	MALLOY	
ITT RESEARCH INSTITUTE	ZEMAN	PAUL	D	88-NM-255	CROWLEY	
IRT CORPORATION	BARBER	JOHN	P	88-NA-164	NACHMAN	
IMAGE CONVERSION DEVICES	O'NEILL	HUGH	J	88-NL-084	D	CERVERNY
IMPERIAL CONS. & ENGR. CO., INC.	PHELPS	DAVE	A	88-NC-051	BARKER	
INDIANA UNIVERSITY FOUNDATION	BROOKES	JCHN		88-NH-265	CROWLEY	
INDUSTRIAL DETECTION TECHNOLOGY CORP.	ROGERS	CYNTIA	C	88-NL-140	FREGLY	
INFORMATION & CONTROL SYSTEMS INC.	GARNON	DENNIS		88-NM-350	A	WAKSMAN
INSTITUTE OF ELECTRICAL & ELECTRONIC ENG INC	WATSON	CHARLES	S	88-NL-059	TANGNEY	
INT'L BUSINESS MACHINE CORP.	LOWENSTINE	MAPK	R	88-NE-099	WEINSTOCK	
INT'L META SYSTEMS INC.	JONES	THOMAS	S	99-NE-059	ROSENSTEIN	
INDUSTRIAL QUALITY INC	HALYO	NESIM		93-NM-231	CROWLEY	
INTELLIGENT SIGNAL PROCESSING	COSTELLO, JR.	DANIEL	J	88-NM-342	CROWLEY	
INTELLIGENT SIGNAL PROCESSING	MCCLELLAND	GARY	H	88-NC-072	BURGRAF	
INT'L THAMES	THAMES	JOSEPH	W	88-NM-229	CROWLEY	
INTEGRATED SYSTEMS, INC.				88-NM-232	CROWLEY	
INTELLIGENT SIGNAL PROCESSING				88-NC-239	CROWLEY	
				88-NM-240	CROWLEY	
				88-NM-246	CROWLEY	
				89-NC-234	CROWLEY	
				98-NA-179	NACHMAN	
				99-NA-193	NACHMAN	

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH  
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INSTITUTION	LAST NAME	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
INTELLIGENT SYSTEMS INTEGRATION INC.	LJES	Z	TIMOTHY	Y	93-NA-108	MCMICHAEL	
ICNA COLLEGE	YASER	DONALD	J		93-NA-122	HARITOS	
IRVINE SCIENCE ASSOCIATES	WEISSEL	RAVAK	J		88-NC-060	ROSENSTEIN	
J. A. MCCLAM COMPANY	WILLIAM	JOHN	A		93-NM-289	CROWLEY	
JAYCOR	GLADD	N	JOSETTE		93-NM-330	WACKSMAN	
JET PROPULSION LABORATORY	BELLAN	JEROME			38-NP-093	BARKER	
JOHNS HOPKINS UNIVERSITY	KRUGER	TERRENCE	E		88-NE-079	WITT	
KMS-EUISION INC.	SEJNOWSKI	VICTOR			88-NE-089	MALLORY	
KTECH CORPORATION	SOLD	V.			88-NE-390	MA-LOY	
KLEIN ASSOCIATES, INC.	OLIKER	MICHAEL	R		88-NP-105	BARKER	
KUIJL & ASSOCIATES	WIXOM	EDWARD	S		98-NA-209	TISHKOFF	
LPCM ASSOCIATES, INC.	GAFFNEY	GARY	A		88-NE-132	ROSENSTEIN	
LAGUNA RESEARCH LAB	KLEIN	MICHAEL	P		89-NM-171	CROWLEY	
LARGO SCIENTIFIC INC.	CRAVENS	DENNIS	J		89-NM-243	CROWLEY	
LASER GENICS CORPORATION	LUSS	HENDRICKS	S		88-NC-098	MATUSZKO	
LASER METRIC SYSTEMS, INC.	ALUCH	SYLVAN			88-NA-170	BOYCE	
LASER TECHNOLOGY ASSOCIATES	SCHLECHT	RICHARD	A		89-NL-136	FREGLY	
LASERGENICS CORPORATION	PAPURAT	DAVID	P		88-NP-075	SCLOSSBER	
LAWRENCE LIVERMORE LAB (CALIF JNIV)	BROWN	DAVID	M		88-NC-094	PRINCE	
LOCKHART ENTERPRISES	SCHLECHT	RICHARD	C		98-NP-062	KOERMER	
LOCKHEED CALIFORNIA COMPANY	NEWAK	PAUL			89-NP-038	SCLOSSBER	
LOCKHEED MISSILES & SPACE CO INC	STANKER	LARRY			88-NP-076	SCLOSSBER	
LOS ALAMOS SCIENTIFIC LAB (DOE)	SMITH JR	CHARLES			88-NP-077	SCLOSSBER	
LOS ALAMOS TECHNICAL ASSOCIATES INC	LOCIMILLER	ALAN	R		88-NC-077	ULRICH	
LOUISIANA STATE UNIVERSITY	LONG	LYLE	N		89-NP-056	SMITH	
LCYOLA UNIVERSITY	WANG	S	N		83-NL-175	CERVERY	
MEGA RESEARCH INC.	SERAIN	RICHARD	C		89-NA-203	MCMICHAEL	
MAINSTREAM ENGINEERING CORPORATION	VOGEL	HERBERT			88-NA-180	BIRKAN	
MARTINGALE RESEARCH CORPORATION	ROY	DIPAK			88-NA-124	MCMICHAEL	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	SCHOFNER	WILLIAM	P		98-NE-122	MALLORY	
	WU	FERH-RUNS			88-NP-109	SMITH	
	BUCKMAN	JAY			98-NP-048	SMITH	
	DAWES	ROBERT	L		88-NL-156	CERVERY	
					88-NL-169	TANGNEY	
					98-NA-152	MCMICHAEL	
					38-NM-254	NACHMAN	
					38-NM-241	CROWLEY	
					88-NM-242	CROWLEY	
					89-NM-253	CROWLEY	
					99-NA-161	4	
					99-NA-133	HARITOS	
					88-NC-153	KOERMER	
					93-NA-139	TISHKOFF	
					93-NE-112	ROSENSTEIN	
					98-NP-097	A	
					93-NC-103	KELLEY	
						MATUSZKO	
						DIETMAR	
						SEIFFERIK	

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INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
MASSACHUSETTS TECHNOLOGICAL LABORATORY MATERIALS RESEARCH SOCIETY	THOMPSON	CARL	V	88-NE-042	A	MALLOY
	CHANG	J	T	88-NC-075	A	KOERMER
	ADAMS	W	H	88-NC-166	A	ULRICH
	POPE	LARRY	E	88-NC-146	A	BURGGRAF
	SKALNY	JAN	A	88-NE-129	A	ROSENSTEIN
	WEITZ	DAVID	A	89-NC-147	A	ULRICH
MATERIAL SCIENCES CORPORATION	CHATTERJEE	SAILENDRA	N	88-NA-123	A	MARITOS
MCGILL UNIVERSITY	PATODOUSSIIS	MICHAEL	P	88-NA-130	A	MCMICHAEL
MEDICAL COLLEGE OF WISCONSIN	FEILLS	JANIS	T	88-NL-089	A	CERVENY
MEMPHIS STATE UNIVERSITY	KLAINE	STEPHEN	J	88-NL-039	A	CERVENY
MENTOR TECHNOLOGIES, INC.	SEILER	MITCHELL	R	88-NL-121	A	BERRY
MESOSCALE ENVIRON SIMUL & OPER INC	KARYAMPUDI	V. MISHAV	R	88-NC-070	A	KOERMER
METAMATIX INC.	MINCH	RICHARD	S	88-NA-185	A	MARITOS
METRI WAVE INC.	WILEWSKI	GERALD	T	88-NA-182	A	TISHKOFF
MICHIGAN STATE UNIVERSITY	WILLIAMS	WYMAN	WITT	88-NE-094	A	WITT
MICROTRONICS ASSOCIATES, INC.	BOYD	STEPHEN	A	88-NL-102	A	CERVENY
MILIMETER WAVE TECHNOLOGY, INC.	AFANTIS	ELIAS	C	88-NE-057	A	ROSENSTEIN
MISSION RESEARCH CORP	CODY	DARRYL	E	88-NE-085	A	MALLOY
MONTREY TECHNOLOGIES, INC.	FORSYTHE	RONALD	E	88-NE-096	A	WITT
MULTISPEC CORPORATION	EISLER	ROBERT	D	89-NA-121	A	MARITOS
MY BUSINESS INC.	SOPLIN	BRUCE	D	88-NP-107	A	BAKER
NOAA - Q AND D ATMOSPHERIC PROGRAMS	STONE	STEVE	F	89-NP-065	A	PRINCE
NAVOPTICS INC.	HENNESSY	ROBERT	T	88-NA-124	A	TAYNEY
NATIONAL ACADEMY OF SCIENCES	SHEBY	DAVID	M	98-NP-073	A	PRINCE
NATIONAL BUREAU OF STANDARDS	YEE	J.	M	98-NM-256	A	CROWLEY
NATIONAL CTR FOR TOXICOLOGICAL RESEARCH	HECHT	ALAN	O	88-NC-154	A	KOERMER
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	BAMFORD	GARY	O	88-NE-104	A	MALLOY
NATIONAL SCIENCE FOUNDATION	FLATTEAU	PAMELA	E	98-NL-080	A	CERVENY
NAVAL RESEARCH LABORATORY	MARTINIS	JOHN	M	88-NE-100	A	WEINSTOCK
NEILSON ASSOCIATES	CHEN	JAMES	J	98-NL-141	A	CERVENY
NEW JERSEY ADVANCED TECHNOLOGY	GAYLOR	DAVID	M	88-NL-142	A	CERVENY
NEW MEXICO STATE UNIVERSITY	KODELL	RALPH	L	88-NL-143	A	CERVENY
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	MATTISON	DONALD	R	89-NL-154	A	CERVENY
NATIONAL SCIENCE FOUNDATION	KROEML	HERBERT	M	88-NC-139	A	KOERMER
NAVAL RESEARCH LABORATORY	FROYMA	MICHAEL	M	88-NE-067	A	WEINSTOCK
NEILSON ASSOCIATES	GRIFFIN	RICHARD	O	88-NE-117	A	GILES
NEW YORK UNIVERSITY MEDICAL CENTER	NELSON	NORMAN	O	98-NM-285	A	CROWLEY
NEW YORK UNIVERSITY MEDICAL CENTER	KLAPPHOLZ	AARON	O	98-NM-239	A	FREGLY
NIELSEN ENGINEERING AND RESEARCH CO	RAYSON	GARY	O	86-NC-165	A	BERRY
NEW YORK UNIVERSITY MEDICAL CENTER	WILKS	YRICK	O	89-NM-300	A	MCMICHAEL
NEW YORK UNIVERSITY MEDICAL CENTER	SPERLING	GEORGE	R	98-NL-083	A	MCMICHAEL
NEW YORK UNIVERSITY MEDICAL CENTER	LLINAS	RUDOLFO	E	88-NA-093	A	MCMICHAEL
NEW YORK UNIVERSITY MEDICAL CENTER	CHILD	ROBERT	E	88-NA-092	A	MALLOY
NEW YORK UNIVERSITY MEDICAL CENTER	NIXON	DAVID	M	88-NE-035	A	MILLER
NEW YORK UNIVERSITY MEDICAL CENTER	SEDAIR	SALAH	M	89-NM-207	A	MILLER
NEW YORK UNIVERSITY MEDICAL CENTER	PLEMMONS	ROBERT	J	88-NE-120	A	CERVENY
NEW YORK UNIVERSITY MEDICAL CENTER	DICKSON	KENNETH	J	88-NE-120	A	MALLOY
NEW YORK UNIVERSITY MEDICAL CENTER	MC DANIEL	FLORY	C	98-NE-115	A	MALLOY
NEW YORK UNIVERSITY MEDICAL CENTER	SEILER	DAVID	C	98-NE-115	A	MALLOY

INSTITUTION	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS;	ON NAME:
NORTHEAST LOUISIANA UNIVERSITY	BENSON	WILLIAM	H	98-NL-092	CERVENY	
NORTHERN ILLINOIS UNIVERSITY	CHAKRAVARTI	NILOTPAL		98-NM-323	WILLER	
NORTHWEST RESEARCH ASSOCIATES, INC.	DELISI	DONALD	P	98-NC-158	KOERMER	
	FRASER	ROBERT	S	98-NA-107	MCMICHAEL	
NORTHWESTERN UNIVERSITY	HUOPP	JOSEPH	T	98-NC-101	WILKES	
	JEROME	JOSEPH	H	88-NM-274	NACHMAN	
	MARPKS	TOBIN	J	88-NC-065	A	ULRICH
	MATALOV	W.		88-NM-205	NACHMAN	
	RATNER	MARK	A	83-NC-133	WILKES	
	SHAH	SURENDRA	P	88-NA-167	WU	
	ECKHIAN	LEON		98-NP-387	PRINCE	
	MITCHELL	TOBY	J	88-NM-170	WOODRUFF	
	SHUGART	LEE	R	86-NL-163	CERVENY	
	TOWN	BRUCE		98-NL-057	FREGLY	
	KREITZBERG	CARL		98-NC-162	KOERMER	
	MILLER	TERRY	A	88-NC-124	DAVIS	
	TARR	MELINDA		88-NL-369	A	CERVENY
	SURROWS	GEORGE	E	88-NL-088	SCLOSSBER	
	QUINN	JARUS	H	88-NP-043	A	SCLOSSBER
OKLAHOMA STATE UNIVERSITY	CLAS	ANDRZEJ		88-NP-044	A	NACHMAN
OPTICAL SOCIETY OF AMERICA	MACK	JOSE	E	88-NM-360	D	HARITOS
OREGON STATE UNIVERSITY	BARDIVA	JOSE	K	88-NA-195	MCMICHAEL	
PEGA ENGINEERING	HONG	NICK		88-NA-094	MCMICHAEL	
PEGA CORPORATION	PAUL	KARL		88-NA-085	PRINCE	
	SIMANONOK	ADAM		88-NP-071	TANGNEY	
	KOLAWA	JERRY	L	98-NL-131	MCMICHAEL	
	ZONA	HARRY	R	98-NA-153	NACHMAN	
	ALLCOCK	GEORGE	S	98-NC-365	MATUSZKO	
	DULIKRAVICH			88-NC-121	NACHMAN	
				98-NA-197	MCMICHAEL	
PAL CONSULTANTS, INC.	HAGER	WILLIAM	H	88-NA-203	A	KOERMER
PAPYRUS SYSTEMS INC.	TRWIN	MARY JANE		89-NM-324	MALOY	
PARDOT CORPORAION	PRATT	JAMES	R	88-NE-109	A	GILES
PENNSYLVANIA STATE UNIVERSITY	ROY	ROSTYM		98-NL-095	CERVENY	
	TMIIYAMA	KEN		88-NC-097	ULRICH	
				88-NC-145	KOERMER	
PERS. IDENT. & ENTRY ACCESS CNTRL, INC.	VEDAM	CHARLES	K	88-NC-148	MCMICHAEL	
PHENIX DIGITAL CORPORATION	COLBERT	RONALD		88-NE-118	CERVENY	
PHOTON RESEARCH ASSOCIATES INC.	BROWN	JAMES	E	88-NE-052	GILES	
PHYSICAL DYNAMIC INC	KEAT	WALTER		93-NM-279	CROWLEY	
PHYSICAL RESEARCH INC.	DOVEY	BRUCE	Y	93-NE-074	WEINSTOCK	
PHYSICAL SCIENCES INC.	WEST	MARK	J	98-NC-086	KOERMER	
PHYSICAL SCIENCES INC.	CAYLOR	MARK		99-NA-133	HELIN	
	ALLEY	ROBERT	G	99-NA-119	TISHKOFF	
	KRECH	ROBERT	H	89-NP-055	KELLEY	
	DAWLINS	W	T	93-NA-159	TISHKOFF	
	SEAD	MICHAEL	E	98-NP-031	KARKER	

INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
PLEX SYSTEMS INC.	COLEMAN	RONA-D	J	98-NM-234	A	CROWLEY
POLYTECHNIC INSTITUTE OF NEW YORK	SERBI	DIANA		88-NC-150	A	ULRICH
POTOMAC PHOTONICS INC.	CHRISTENSEN	C. PAUL		88-NP-093	A	SCLOSSBER
POTOMAC SYNERGETIC INC. (PSI)	CORCORAN	V.	J	98-NP-063	A	PRINCE
PRECISION COMPOSITION, INC.	PFEFFERLE	WILLIAM	C	88-NA-181	A	TISHKOFF
PRINCETON SCIENTIFIC ENTERPRISE, INC.	BLAIR	DAVID	H	88-NA-175	A	TISHKOFF
PRINCETON UNIVERSITY	ANDERSON	PHILLIP	H	88-NE-114	A	WEINSTOCK
BERNASEK	STEVEN	L	J	88-NC-137	A	BURGGRAF
BOGDONOFF	SEYMOUR			88-NA-148	A	MCMICHAEL
DICKINSON	BRADLEY			88-NM-313	A	NACHMAN
KUNIS	SUN-YUAN			88-NE-040	A	GILES
LUSTIG	IRVY			88-NM-195	A	MILLER
STEELE	J			88-NM-370	A	WOODRUFF
TSUI	D.	C		88-NE-134	A	WITT
BASS	MICHAEL			88-NL-139	A	FREGLY
MARINESCU	DAN	C		88-NM-309	A	WAKSMAN
MORRE!	JAMES	S		88-NL-100	A	CERVENY
MURTHY	DAVID	K		98-NA-204	A	HELIN
MONTEITH	DEBORAH	D		88-NL-108	A	CERVENY
ROSS	ANDREW	J		88-NL-090	A	CERVENY
VITERBI	CHENG	T		88-NM-259	A	CROWLEY
WANG	PAUL	E		83-NE-102	A	WITT
WEST	GEORGE	H		88-NE-105	A	MALLORY
STORTI	ROBERT	A		88-NE-072	A	PRINCE
DIPIACLA	JOE	L		88-NE-082	A	WEINSTOCK
RATIGAN	RODERICK	A		98-NM-352	A	WITT
CARR	LEONARD	V		88-NA-169	D	MILLER
INTERRANTE	CHUN	H		88-NM-290	D	BOYCE
LEUNG	ROBERT	K		88-NC-105	D	CROWLEY
MACCRONE	TRAJ			88-NC-066	D	ULRICH
TADJBAKSH	RICARDO			88-NC-164	D	ULRICH
DOPRY	AHMED			88-NA-199	D	NACHMAN
FL-LAITHY	PHILIP			88-NC-131	D	BOYCE
SEIDENT	ROBERT			88-NL-091	D	ULRICH
BIXBY	JOHN	E		88-NM-339	A	MILLER
DENNIS JR.	JAMES	L		88-NM-357	A	DAVIS
KINSEY	CALVIN	H		88-NC-395	A	CERVENY
WARD	WILLY			98-NL-174	A	WAKSMAN
ZWAENEPEL	PETER L.			88-NM-339	A	WEINSTOCK
PETERSON	HAMMER			98-NA-126	D	ROSENSTEIN
MARSHALL	GARY	L		88-NA-199	D	ROSENSTEIN
LANGELIERS	DAVID	B		88-NC-395	A	ROSENSTEIN
FRED S. ROBERTS	JAMES			88-NL-174	A	TISHKOFF
CHOWDHURY	PETER L.			88-NC-339	A	TISHKOFF
HEPSH	GILBERT	3		98-NE-061	A	MILLER
SOMAYAJULU	Y.			88-NM-230	A	ROSENSTEIN
CROSLEY	DAVID			98-NP-053	A	CROWLEY
SRI INTERNATIONAL		R		98-NC-125	A	RADOSKI

INSTITUTION	INVESTIGATOR LAST NAME	INVESTIGATOR FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
SANDIA LABORATORIES	JACOBSON	CHARLES	A	88-NL-173	CERVENY	CROWLEY
SANTA FE INSTITUTE	YU	WOJCIECH	H	88-NM-281	FREGLY	CROWLEY
SATCON TECHNOLOGY CORPORATION	STEIN	ERNEST	H	88-NL-127	CERVENY	SCLOSSBER
SCIENTIFIC COMPUTING ASSOCIATES INC	HOCKNEY	ROONEY	D	88-NP-060	SCLOSSBER	CROWLEY
SCIENTIFIC RSCH ASSOCIATES INC.	FOULSER	ZENGJI	L	98-NM-061	NACHMAN	CROWLEY
SEARCH TECHNOLOGY, INC.	DAVID	DANIEL	L	98-NM-277	WEINSTOCK	CROWLEY
SIGMA TECHNOLOGIES	RICHARD	RICHARD	E	88-NM-068	CROWLEY	CROWLEY
SILHOUETTE TECHNOLOGY, INC	DAVID	DAVID	E	88-NM-222	CROWLEY	CROWLEY
SIMULATION RESEARCH				88-NM-223	CROWLEY	CROWLEY
SMALL BUSINESS VENDOR				88-NM-224	CROWLEY	CROWLEY
SMITH-KETTLEWELL EYE RESEARCH FOUNDATION				88-NE-094	MALLOY	MALLOY
SOF-TROY, INC				88-NA-113	NACHMAN	NACHMAN
SOREQ				88-NE-081	A	WITT
SOUTHERN ILLINOIS UNIVERSITY				88-NA-074	A	HELIN
SOUTHERN METHODIST UNIVERSITY				88-NA-075	NACHMAN	NACHMAN
SOUTHWEST RESEARCH INSTITUTE				88-NA-211	HELIN	HELIN
SPACE TECH CORPORATION				88-NA-115	TISMKEFF	CROWLEY
SPARTA INC.				88-NM-215	CROWLEY	CROWLEY
SPIRE CORPORATION				88-NM-214	FREGLY	FREGLY
STANFORD UNIVERSITY				88-NA-138	HARITOS	HARITOS
				88-NA-179	WITT	WITT
				88-NE-075	MILLER	MILLER
				98-NM-278	TANGNEY	TANGNEY
				88-NL-129	TANGNEY	TANGNEY
				88-NL-130	TANGNEY	TANGNEY
				88-NL-073	TANGNEY	TANGNEY
				88-NL-051	FREGLY	FREGLY
				88-NL-071	CROWLEY	CROWLEY
				88-NM-251	WU	WU
				88-NA-141	NACHMAN	NACHMAN
				88-NM-312	A	WOODRUFF
				88-NM-345	MATUSZKO	MATUSZKO
				88-NC-144	C	C
				88-NP-041	RAJOSKI	RAJOSKI
				88-NM-225	CROWLEY	CROWLEY
				98-NM-226	MALLOY	MALLOY
				88-NE-095	MALLOY	MALLOY
				88-NE-087	SCLOSSBER	SCLOSSBER
				98-NP-101	A	CROWLEY
				88-NM-343	CROWLEY	CROWLEY
				88-NP-047	A	SCLOSSBER
				98-NM-349	CROWLEY	CROWLEY
				98-NM-190	NACHMAN	NACHMAN
				98-NL-095	CERVENY	CERVENY
				99-NM-341	A	WOODRUFF

INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
LITTLE REINHARD	WILLIAM MARTIN	A		88-NE-110 88-NL-115	D	WEINSTOCK CERVENY WAKSMAN
SHOHAM ZARE	YJAV RICHARD	N		89-NM-116 88-NC-112		DAVIS
PHILLIPS	ROBERT	N		88-NP-082		BARKER
DAVIS GEORGE	ELIZABETH THOMAS	T	F	88-NL-056 88-NC-135		TANGNEY
HAGSTROM LO	THOMAS ALBERT	Y		88-NM-349 88-NM-268		DAVIS NACHMAN WOJDRUFF
PRASAC KAMIL	PARAS HASAN	N		88-NC-161		ULRICH NACHMAN
KUO NEU	AN-Y J JOHN	T		88-NA-114 88-NA-184 88-NP-090		HARITOS SCLOSSBER
LAQUADRA DOHERTY	GREGORY FRANCIS	G		89-NA-079 88-NL-164		SCLOSSBER CERVENY
MOHANTY REED	BIDHU CHRISTOPHER	B		88-NM-233 89-NA-151		CROWLEY MCMICHAEL
CAMPBELL CLARKE	HAROLD THOMAS	H		88-NM-227 88-NM-257		CROWLEY
RAUSCHER ADLER	E. ROBERT	L		88-NP-380		RAJOSKI WOJDRUFF
FARJJI KRITIKOS	FARHAN KARALAMBOSS	A		98-NM-275 88-NM-244		CROWLEY CROWLEY
LIN SHAKER	AVI JOHN	N		88-NM-245 88-NM-210		WAKSMAN WEINSTOCK
MOENY CARROLL	W.	C		88-NE-073 88-NP-057		SMITH WOJDRUFF
JCHJA SCHOBEIRI	R.	M		88-NM-322 88-NA-076		HARITOS
MAY	JAMES KEEFE	O		89-NA-103 88-NL-093	D	HELIN CERVENY
ISHIMHARA MARTIN	DSAMI CLYDE	J		88-NE-076 88-NA-183		BARKER CROWLEY
SMITH GRAY	W ROBERT	L		88-NE-077 88-NP-081		WITT RAJOSKI
KON MICHELS	JOSEPH MICHAEL	S		88-NE-077 88-NP-081		PRINCE WITT SMITH
LOOP MCGHEE	H. JERRY	R		88-NL-166 83-NL-079		TANGNEY CERVENY
GLEZER KOSTUK	ARI RAYMOND	A		88-NA-158 93-NE-125	A	MCMICHAEL
LAUTER WIGLEY	JUDITH DAVID	K		88-NE-097 83-NL-075		GILES FREGLY MATUSZKO
BREWER BARLOW	DENNIS ROGER	L		93-NC-104 83-NM-205		CROWLEY WOJDRUFF
ATKINSON SOWERZ	R	E		93-NM-335 88-NL-151	A	CERVENY WODARCZYK
UNIV OF ARIZONA	MICHAEL	T		88-NC-119		
UNIV OF ARKANSAS						
UNIV OF CALIFORNIA						

INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
	BRAJ	C.	A	88-NP-099	SCHLOSSBERG	
	BROWN	A	E	83-NE-037	MALLOY	
	CARTER	EMILY	A	88-NC-117	DAVIS	
	CHAN	T.	F	88-NC-195	NACHMAN	
	DAILY	JOHN	H	98-NC-131	WOJARCZYK	
	CARDNER	WILLIAM	A	88-NM-346	WOODRUFF	
	GRUNBAUM	F. ALBERTO	A	88-NM-331	NACHMAN	
	KADTKE	JAMES	T	88-NM-363	NACHMAN	
	LEONDÉS	C.	C	88-NM-317	CRWLEY	
	LEVAN	V.	K	88-NM-182	CRWLEY	
	MUKHERJEE	A	C	88-NC-130	RJESNSTEIN	
	PIMENTEL	GEORGE	C	99-NC-142	WOJARCZYK	
	ROSS	SHELTON	C	88-NM-172	WOODRUFF	
	SHAH	GORDON	C	88-NL-054	BERRY	
	SMITH	OWEN	R	88-NC-139	DAVIS	
		PAUL	H	88-NC-157	ULRICH	
	THOMPSON	ROBERT	C	88-NC-184	NACHMAN	
	TRICHLER	WILLIAM	C	98-NC-110	MATUSZKO	
	VULLIET	PHILIP	R	89-NL-266	A	BERRY
	WAKIMOTO	ROGER	H	98-NC-140	KOERMER	
	WALPITA	L.	H	88-NE-116	GILES	
	WEIS	ROGER J. S.	L	98-NM-308	MILLER	
	ZIPSER	DAVID	J	89-NL-168	BERRY	
UNIV OF CHICAGO	SIBENER	STEVEN	J	88-NC-130	A	BURGGRAF
UNIV OF CINCINNATI	SYRIC	ALODZIMIERZ	J	88-NM-311	WOODRUFF	
UNIV OF COLORADO	BRANCH	MELVYN	C	88-NA-210	BIRKAN	
	CHOW	CHUEN-YEN	C	88-NA-206	HELIN	
	FREYMUTH	PETER	R	89-NA-200	A	WOJARCZYK
	LEONE	STEPHEN	R	88-NC-093	A	HE LIN
	LUTGES	MARVIN	H	88-NA-201	A	NACHMAN
	MANDEL	JAN	H	98-NM-298	NACHMAN	
	AUGENBAUM	JEFFREY	H	88-NM-183	NACHMAN	
	COHEN	MARIJN	F	88-NL-052	TANGNEY	
	DAJORA	ELI	K	98-NA-144	TISHKOFF	
	BRILL	THOMAS	B	88-NA-171	BIRKAN	
	DOJGOLSKY	ALEX	B	98-NA-146	MAZITOS	
	SANTOSA	FADIL	R	98-NM-208	A	NACHMAN
	VINSON	JACK	R	98-NA-129	WU	
	GREEN	WILLIAM	A	88-XD-004	ROBISON	
	GRICK	JAMES	H	88-NM-177	WOODRUFF	
	GREEN	DAVID	H	83-NL-076	TANGNEY	
	HAMMER	JACOB	H	88-NM-318	CRWLEY	
	KALMAN	R.E.	A	88-NM-198	A	CRWLEY
	CANFIELD	E. RODNEY	A	98-NM-307	A	MILLER
	STURCKE	SAM	A	88-NM-273	MILLER	
	AHUJA	NARENDRA	A	88-NM-173	WAESMAN	
	ALHJ	JUHA	H	88-NM-272	A	CERVENY
	ANDERSEN	GEORGE	J	93-NL-119	FREGLY	
				83-NL-062		

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

STATUS - 'A' = ACCEPTED, 'D' = DECLINED, 'W' = WITHDRAWN

INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
CHEV	WAI-KAI			93-NE-123		WITTMANN
SELLMAN	ANDREW	J		88-NC-151	A	SURGGRAF
PLESS	VERA			88-NM-294		MILLER
PLEIA	MICHAEL	J		88-NL-147		CERVENY
SACKS	JEROME			89-NM-332	A	WOODRUFF
SCHAFFER	DAVID	J		88-NL-111		CERVENY
TEO	EDOC	K		88-NL-152		CERVENY
DANG	WUNG-TENG			88-NC-399		DAVIS
BURTON	DONALD	J		88-NL-172		CERVENY
STEWALLEY	WILLIAM	C		88-NC-369		MATUSZKO
CROWELL	DIANA	K		88-NP-103		SCLOSSBER
ANTMAN	STUART			88-NL-972		TANGNEY
KEDEM	BENJAMIN	H		88-NM-297		NACHMAN
LEE	CHI			88-NM-310	A	WOODRUFF
PONNAMPERUMA	CYRIL			89-NP-045		SMITH
GOWDA	MUDAPPAA	S		88-NL-159		CERVENY
POULLEN	DANIEL	A		88-NM-199		MILLER
ROSENBERG	ARNOLD	L		88-NM-179		TANGNEY
ROYER	JAMES	M		88-NL-064		MILLER
FAETH	GERARD	M		88-NM-320		WAKSMAN
GOAJ	LINDA	S		88-NL-078		TANGNEY
LEER	ERAM VAN			88-NA-147	A	TISMOKOFF
ERNIE	DOUGLAS	M		88-NL-161		CERVENY
TEWFIK	AHMED	H		88-NM-367		NACHMAN
AVULA	XAVIER	J		88-NP-108	A	KELLEY
BADR	MOUSTAFA			88-NM-319		WOODRUFF
SAIN	LEE			88-XO-002	A	CAVENDER
CHICONE	CARMEN			88-NL-110		CERVENY
EL-SAYED	MOHAMED			88-NM-200		WOODRUFF
BHATTACHARYA	PRASIR			88-NM-344		NACHMAN
SHEPARD	HARVEY	K		88-NM-326		MILLER
SMITH	ROBERT	A		88-NM-267		WAKSMAN
WRIGHT	JOHVY	J		88-NM-201	A	NACHMAN
SIVASHINSKY	GREGORY			88-NL-082		WOODARCZYK
MILLER	ROGER	E		88-NC-092		NACHMAN
PFEENDER	FREDERIC	K		88-NM-347		WOODARCZYK
GAD-EL-HAK	MOHAMED			88-NC-107		CERVENY
RECK	JACOB			88-NL-112		MCMICHAEL
KEELE	STEVEN	M		88-NA-149		TANGNEY
SAUCKY	RUZENA			89-NL-053		FREGLY
GARITO	A.			88-NL-050		WAKSMAN
MINITZ	MAX			88-NM-329	A	ULRICH
THORVE	PETER	S		88-NM-173	A	WOODRUFF
CRICKSHANK	A.	M		88-NL-158		CERVENY
KAY	STEVEN			88-NC-129		MATUSZKO
FEERLY	JOSEPH	H		88-NM-353		WOODRUFF
WILLIAMS	DAVID	R		88-NP-102		SCLOSSBER
				38-NL-059		TANGNEY

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INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
UNIV OF SOUTH CAROLINA	OSWALD	EDWARD	J	88-NL-155	CERVENY	
UNIV OF SOUTHAMPTON	DYKE	JOHN	M	88-NC-156	WJDARCZYK	
UNIV OF SOUTHERN CALIFORNIA	FEINBERG	JACK		88-NP-104	SCLOSSBER	
	FORREST	STEPHEN	R	88-NE-123	GILES	
	GAUDIOT	JEAN-LUCH		88-NE-124	GI-ES	
	HO	CHIH-MING		88-NA-102	HELIN	
	WENDEL	JERRY	M	88-NM-348	WOODRUFF	
	REDKOPP	LARRY		88-NA-125	MICHAEEL	
	REED	IRVING	S	88-NM-337	MILLER	
	SAFJNOV	MICHAEL		88-NM-190	CROWLEY	
	SKOWRONSKI	JANISLA		88-NM-316	CROWLEY	
	STEIER	WILLIAM	H	88-NE-111	GILES	
	WITTIG	CURT		88-NC-120	WJDARCZYK	
	KOSKO	BART		88-NE-049	GILES	
	LI	VICTOR	O	88-NM-336	WOODRUFF	
	SCHRADER	HERBERT		88-NA-207	BIRKAN	
	MAMANTOV	GARY		88-NC-106	WILKES	
	SAYLER	DAVID	S	88-NL-061	CERVENY	
	WHITE	MICHAEL J. S.	C	88-NC-066	MATUSZKO	
	DEWAR	JOSEF		88-NC-155	MATUSZKO	
	MICHL	EDWARD	M	88-NL-148	CERVENY	
	PASTLETHWAIT	C.	E	88-NP-093	KELLEY	
	THEODOSIU	JAMES	P	88-NM-212	NACHMAN	
	KEENER	IRENA		88-NM-299	CROWLEY	
	LASIECKA	ROBERT	E	88-NA-127	TISHKOFF	
	BREIDENTHAL	WALTER	H	88-NA-202	MICHAEEL	
	CHRISTIANSEN	THOMAS		83-NL-057	A	
	NELSON	RALPH	T	88-NM-366	MILLER	
	ROCKAFELLAR	BRIAN		88-NP-064	SMITH	
	MITCHELL	ANDREN	H	88-NC-086	CERVENY	
	ANDREN	ANDERS		88-NL-101	CERVENY	
	ZITTRAR	E. EDWARD		88-NE-119	MALLORY	
	CHANG	Y	A	88-NE-135	WEINSTOCK	
	CRIM	AUSTIN		88-NC-134	WJDARCZYK	
	GLENN	F. FLEMING		88-NL-163	FREGLY	
	GLENNBERG	ARTHUR	F	88-NL-087	CERVENY	
	HARRIS	ROBIN		88-NC-109	MATUSZKO	
	NOHEL	JOHN	A	88-NC-150	ULRICH	
	SLEMDROD	MARSHALL		88-NC-125	CERVENY	
	WEST	ROBERT		88-NM-314	A	
	PERGMAN	HAROLD		88-NM-328	NACHMAN	
		TAI-TL		88-NM-194	NACHMAN	
		GLENN	J	88-NM-194	MILLER	
		VICTOR	R	88-NC-181	TANGNEY	
		CHRISTOPHER		88-NL-069	SURGGRAF	
		E.		88-NC-113	NACHMAN	
		SHAWNA	A	88-NM-211	A	
		ELLEN	O			
		DONALD	A			
UNIVERSITY OF WYOMING						
UNIVERSAL ENERGY SYSTEMS INC						
UNIVERSAL SENSORS, INC.						
UNIVERSITY OF MARYLAND						
UNIVERSITY OF MICHIGAN						

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INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	LAST NAME	PROPOSAL	STATUS	DM NAME
KEENER	ROBERT	W		KEENER	93-NM-187	W	WOODRUFF
POWELL	KENNETH			POWELL	88-NA-143		MCMICHAEL
ULLMAN	ROBERT			ULLMAN	86-NC-067		ULRICH
BUCHL	ROBERT	A		BUCHL	88-XJ-003	A	CAVENDER
DOUCETTE	WILLIAM	J		DOUCETTE	89-NL-098		CERVENY
DUPONT	ROBERT	R		DUPONT	98-NL-105		CERVENY
NEUMOLD	JOHN	M		NEUMOLD	88-NL-097		CERVENY
SIMS	PONALD	C		SIMS	98-NL-096		CERVENY
SØRENSEN	DARWIN	L		SØRENSEN	88-NL-152		CERVENY
ULWICK	JAMES	C		ULWICK	88-NC-141		KOERMER
DESPANDEY	CHANDRA	C		DESPANDEY	83-NE-065		ROSENSTEIN
JOHNSON	GLEN	E		JOHNSON	99-NM-305	A	MILLER
TOLK	NORMAN	H		TOLK	99-NC-149		BURGRAF
LANGLEY	LAWRENCE			LANGLEY	88-NA-189		TISHKOFF
TALLEY	ROBERT			TALLEY	88-NA-166		TISHKOFF
LEBERI	F.			LEBERI	88-NM-249		CROWLEY
CHITSOMBOON	TAWIT			CHITSOMBOON	88-NA-086		TISHKOFF
DOBDELE	SIMHAPRASAD	S		DOBDELE	88-NA-112		TISHKOFF
MARINARO, JR	RALPH	M		MARINARO, JR	88-NA-088		MCMICHAEL
240		M		240	98-NC-079		KOERMER
		D			88-NC-080		KOERMER
		P			88-NC-081		KOERMER
					88-NC-082		KOERMER
					98-NA-095		KOERMER
					88-NA-099		KOERMER
					88-NA-100	●	KOERMER
					88-NA-087		KOERMER
					98-NA-098		KOERMER
VIRGINIA POLYTECHNIC INST & STATE UNIV	DAVID	L		RUSSELL	88-NM-354		HELIN
	DEMETRI	P		TELIONIS	89-NA-163		CROWLEY
	JOHN	J		TYSON	88-NM-213		HELIN
	LAYNE	T		WATSON	88-NM-362		NACHMAN
		G		CALDWELL	88-NM-291		CROWLEY
				DE LA CRUZ	88-NA-132		HELIN
VISTA RESEARCH CORPORATION	J.			DE LA CRUZ	89-NA-134	●	BJYCE
	RODOLFO	V		DEL A CRUZ			HELIN
	RODOLFO	V		SINGH	88-NM-248		CROWLEY
	MAHENORA			JOHNSON	88-NA-072		HELIN
	WAYNE			JOHNSON	88-NM-165		CROWLEY
WASHINGTON STATE UNIVERSITY	RICHARD	J		WILLIAM	98-NL-094		HELIN
	WILLIAM	L		KRIESMAN	98-NL-160		CERVENY
		A		ANDRZEJ	88-NM-334	A	CERVENY
				IVAN	98-NM-353		CERVENY
WAVE-PRG	IVAN	A		IVAN	88-NA-104		CERVENY
WAYNE STATE UNIVERSITY	GARY			SANSON	88-NM-325	D	CERVENY
WEIDLINGER ASSOCIATES	CUN-QUAN			ZHANG	89-NM-306		CERVENY
WEST VIRGINIA UNIVERSITY	JOHN	S		NORDIN	98-NL-119		CERVENY
WESTERN RESEARCH INSTITUTE	R.	L		MESSHAM	98-NE-047	A	WITT
WESTINGHOUSE ELECTRIC CORPORATION	WILCOX	C		WILCOX	98-NP-159		PRINCE
WILCOX GROUP, INC.	OLIVER	C		OLIVER	88-NA-194		TISHKOFF

INSTITUTION INDEX (1 JAN 89 - 31 MAR 98)  
AFR FORCE OFFICE OF SCIENTIFIC RESEARCH  
STATUS - 'A' = ACCEPTED, 'D' = DECLINED, 'W' = WITHDRAWN

INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
WORCESTER POLYTECHNIC INSTITUTE	BRIDGES	THOMAS	J	98-NM-265	A	NACHMAN
WRIGHT STATE UNIVERSITY	KENDLER	GALEN	J	88-NL-171		CERVENY
MILLER	MILLER	DAVID	F	88-NM-204		NACHMAN
CROSS, J.P.	CROSS, J.P.	R. JAMES		98-NC-102		DAVIS
YALE UNIVERSITY SCHOOL OF MEDICINE	HIRSCH	JOY		99-NL-167		TANGNEY

## **PART II**

TITLE INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED	STATUS PROGRAM MANAGER	INITIATE PROPOSAL #	START DATE F/T A/H
(SBIR) DEVELOP ELECTROMAGNETIC POWER AMPLIFICATION DEVICE (EMPAD)	KELLY	N 15/01/88 \$4,977,250	GIRKAN 88-NA-032		
(SBIR) AN EXPERIMENTAL INVESTIGATION OF COMBUSTION INSTABILITY PHENOMENA IN LIQUID-FUELED ROCKET ENGINES	BACHALD	N 20/01/88 \$43,395	GIRKAN 99-NA-111		
SUPPORT FOR THE COMBUSTION INSTITUTE COMBUSTION INSTITUTE	PALMER	R 22/02/88 \$10,030	GIRKAN 98-NA-150	A	\$10,000 15/09/88 \$10,000
PROPELLANT RESEARCH ON THE HYBRID PLASMA PLASMA ROCKET	C-HANG-DIAZ	R 01/03/88 \$182,000	GIRKAN 98-NA-151	A	\$182,000 02/09/88 \$182,000
STRUCTURE/PROPERTY/REACTIVITY RELATIONSHIPS AMONG NITRAMINES AND OTHER ENERGETIC MATERIALS	BRILL	R 04/03/88 \$99,399	GIRKAN 99-NA-171	A	
SBIR THERMALLY INDUCED MOLECULAR IMPOLITION ELECTRIC GENERATOR	LOCH MILLER	N 09/03/88 \$101,575	GIRKAN 98-NA-130		
SBIR SYNTHESIS OF STABLE HIGH-ENERGY PROPELLANTS	DAVID	N 09/03/88 \$50,000	GIRKAN 98-NA-193		
TEXAS EXPLOSIVES CO., INC.	KEEEE				
BASIC PROCESSES OF PLASMA PROPULSION	SCHRAEGER	R 22/03/88 \$172,397	GIRKAN 88-NA-237	A	\$84,373 01/03/88 \$172,397
FLAME CHEMISTRY OF SOLID PROPELLANT COMBUSTION	MELVYN	R 25/03/88 \$90,576	GIRKAN 88-NA-210	A	
UNIV OF COLORADO	BRANCH				
(SBIR) BIOMOLECULAR AND CROSSES-INSTRATEGIC STRESS ANALYSIS OF SKILLS RESOURCE INTERNATIONAL INC.	EL-LAITAY	N 04/02/88 \$47,250	COYCE 88-NA-131		
AWARD					

TITLE INVESTIGATION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROJECT MANAGER PROPOSAL #	INITIATE START DATE TDT 441
MEASURING IN SITU ROCK STRESSES	DE LA CRUZ	RUDOLFO	N 06 04/02/93 \$50,000	BJYCE 88-NA-132
(SBIR) TENSILE STRENGTH IN THE HYDRAULIC FRACTURE FIELD TEST FOR DETERMINING IN SITU STRESSES	RATIGAN	JOE	N 06 03/03/93 \$49,244	BJYCE 88-NA-159
CENTRIFUGE MODELLING OF SLAST-INDUCED LIQUEFACTION KTECH CORPORATION	GAFFNEY	EDWARD	N 06 03/03/93 \$49,394	BJYCE 88-NA-170
EXPERIMENTAL VERIFICATION OF MICROMECHANICAL PREDICTIONS ELASTIC-PLASTIC BEHAVIOR OF CORROSIONLESS STEELS PENNSYLVANIA POLYTECHNIC INST.	DOBRY	RICARDO	N 12 16/03/98 \$59,700	BJYCE 88-NA-199
ASSESSMENT OF REPAIR OF COMPOSITES TEXAS A AND M UNIVERSITY	DOCHA	O	N 48 05/01/98 \$553,211	MARITOS 88-NA-076
(SBIR) DIAMOND THIN FILM/METAL MATRIX COMPOSITES FOR ENHANCED STRUCTURAL PERFORMANCE CRYSTALLINE	RAVI	K	N 05 21/01/98 \$55,000	MARITOS 88-NA-116
(SBIR) DEVELOPMENT OF DAMAGE TOLERANT CONCEPTS FOR ADVANCED COMPOSITE STRUCTURES MISSISSIPPI RESEARCH CORP	EISLER	ROBERT	N 05 21/01/98 \$50,625	MARITOS 88-NA-121
(SBIR) DEVELOPMENT OF AN ISOTROPIC HIGH-SYMMETRY SCLC (1455) INTELLIGENT SYSTEMS INTEGRATION INC.	ROSS	TIMOTHY	N 06 21/01/98 \$67,875	MARITOS 88-NA-122
(SBIR) MIXED MODE DELAMINATION FRACTURE MECHANISMS IN LAMINATED COMPOSITES MATERIALS SCIENCES CORPORATION	CHATTERJEE	SAILENJRA	N 06 21/01/98 \$50,000	MARITOS 89-NA-123
A NEW MODEL FOR MATRIX FATIGUE DAMAGE ACCUMULATION IN COMPOSITE			N 04	

TITLE (CONT.)	INVESTIGATOR	TYPE/MONTHS RECEIVED	STATUS	INITIATE START DATE
INSTITUTION		PROGRAM MANAGER	PROPOSAL #	TOT AMT
LAMINATES SATELLITE PACIFIC NORTHWEST LABORATORIES	WILLIAMS DOLGOPOLSKY	R		17/02/88 \$12,000
CONSTITUTIVE RESPONSE PREDICTIONS IN THE BASIS OF A COUPLED MATERIAL SPACETIME MODEL UNIV OF DELAWARE	ALEX			N 36 17/02/88 \$214,526
S3D PERMANENT DEFORMATION IN METAL-MATRIX COMPOSITE ADVANCED COMPOSITE ENGINEERING, INC.	SUN	C		N 36 17/02/88 \$494,300
(S3TR) DEVELOPMENT OF A NEW BERYLLIUM/GRAPHITE-EPOXY SANDWICH COMPOSITE ADVANCED COMPOSITE ENGINEERING, INC.	SUN			N 36 02/03/88 \$49,230
S3TR NONLINEAR RESPONSE OF CARBON-CARBON PANELS IN HYPERSONIC ENVIRONMENT STRUCTURE TECHNOLOGIES	BETILUS	DIMITRI		N 06 09/03/88 \$70,354
S3TR FREE EDGE STRESSES FOR LAMINATES UNDER RAPID THERMAL/MICROSTRUCTURE TRANSIENTS STRUCTURAL INTEGRITY ASSOCIATES, INC.	KUJ	AN-YJ		N 06 09/03/88 \$48,234
S3TR FUEL AUTOMIZATION FOR PROPULSION SYSTEMS METAMATIX INC.	MINTCH	RICHARD		N 06 09/03/88 \$48,251
S3TR MICRO-MACROMECHANICS MODEL FOR THE STRENGTH AND INTEGRITY OF LAMINATED CERAMIC MATRIX COMPOSITE APPLIED ANALYSIS, INC.	TANG	HUANGJUI		N 06 09/03/88 \$49,330
S3TR DAMAGE GROWTH PREDICTION AND ASSESSMENT IN COMPOSITES JOINING SYSTEM IDENTIFICATION APPLIED ENGINEERING RESEARCH, INC.	BEDWELL	NAZIM		N 36 03/03/88 \$48,530
S3TR A NOVEL FINITE MODELLING TECHNIQUE FOR MULTI-LAYERED COMPOSITES APTECH ENGINEERING SERVICES, INC.	CIPOLLIA	RUSSELL		N 06 10/03/88 \$49,333
S3TR DEVELOPMENT OF ADVANCED CONSTITUTIVE RELATIONSHIPS FOR COATED				N 06 89-VA-199

PROPOSAL STATUS REPORT ( 1 JAN 83 - 31 MAR 83 )  
 AIR FORCE OFFICE OF SCIENTIFIC RESEARCH  
 DIRECTORATE OF AEROSPACE SCIENCES

TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROJMAN MANAGER PROPOSAL #	INITIATE START DATE T/T AMT
CARBON-CARBON COMPOSITE MATERIALS FOR ENGINEERING	WACK	T		
3D ANALYSIS AND VERIFICATION OF FRACTURE GROWTH MECHANISMS IN FIBER-REINFORCED CERAMIC COMPOSITES	MICHAEL CLEARY	N 11/03/88 \$49,332	HARITOS 88-VA-195	
GENERAL TIME-STEADY STATE AERODYNAMICS OF WINGS	JOHNSON WAYNE	N 05/01/88 \$41,493	HELIN 88-VA-074	
THE EFFECT OF DISCRETE FREQUENCY CONTENT IN COMPRESSOR STALL PROPAGATION	LIU	N 05/01/88 \$50,000	HELIN 88-VA-074	
COMPUTATION OF UNSTEADY 3D VISCOUS FLOWS AND DYNAMIC STALL OF PITCHING AIRCRAFT	NANSUEY PATRICK	N 15/01/88 \$54,900	HELIN 88-VA-037	
INVESTIGATION OF STRONG VORTEX INTERACTION AND WEIS-FJOSH LEIT MECHANISM WITH APPLICATION TO TURBOMACHINES	SUNDARAM	N 15/01/88 \$51,292	HELIN 88-VA-038	
EXPLORATORY STUDY OF A TIP VORTEX MANAGEMENT CONCEPT	P	N 15/01/88 \$53,736	HELIN 99-VA-039	
RESEARCH ASSOCIATES INC RAD	0	N 15/01/88 \$53,736	HELIN 99-VA-039	
EXPERIMENTAL EVALUATION OF VORTEX BREAKDOWN CHARACTERISTICS OF HIGH-WAVEVERABLE AIRCRAFT CONFIGURATIONS	RAO	N 15/01/88 \$51,404	HELIN 99-VA-100	
VISCOUS/POTENTIAL COUPLING FOR OFF-DESIGN CALCULATION INLET FLOW ANALYTICAL METHODS INC	JAMES NATHAN	N 15/01/93 \$49,334	HELIN 88-VA-101	
CONTROL OF UNSTEADY AERODYNAMIC FORCES UNIV OF SOUTHERN CALIFORNIA	HO	N 13/01/93 \$223,200	HELIN 88-VA-112	\$52,067 01/03/88 \$223,201
INFLUENCE OF INLET FLOW CONDITION, PRESSURE GRADIENT, AND WALL		N 12	C	

TITLE	TITLE (CONT.)	INVESTIGATOR	TYPE/MONTHS RECEIVED	STATUS	INITIATE START DATE
INSTITUTION			AMOUNT	PROGRAM MANAGER	PROPOSAL #
CURVATURE IN BOUNDARY LAYER FLOW		SCHUBERT	19/01/98 \$42,723	HELIN	TTT 4/4/
TEXAS A AND M UNIVERSITY					
(SBIR) ROTOR-STATOR INTERACTIVE NAVIER-STOKES FLOW COEFFS. DEVELOPMENT FOR SIMULATION & TIP CLEARANCE LOSSES.	EXJETECH INC.	IAN	N 06 19/01/98 \$49,852	HELIN	88-VA-105
STALL PRECUSIVE AND STALL MARGIN INDICATIVE SIGNALS					
MOY-E					
A NUMERICAL INVESTIGATION OF BLADE PASSAGE VORTICITY CORE MEASUREMENTS AS METHOD	EXJETECH INC.	IAN	N 06 19/01/98 \$49,852	HELIN	88-VA-106
METHOD					
THE TRANSIENT DEVELOPMENT OF VORTICES OVER A DELTA WING	CAYLOR	MARK	N 06 04/02/93 \$49,935	HELIN	88-VA-133
VIRGINIA POLYTECHNIC INST & STATE UNIV	DEMETRI		N 24 03/03/98 \$129,474	HELIN	98-VA-158
TELLIGIS					
(SBIR PHASE II) DEVELOPMENT OF A UNIQUE NONINTRUSIVE TECHNIQUE FOR THE MEASUREMENT OF VORTEX FLOWS	GERALD		N 24 03/03/98 \$595,937	HELIN	88-VA-174
ERJETICS INTERNATIONAL INC.	MALCOLM				
DYNAMIC SEPARATION: SEARCH FOR THE CAUSE OF DYNAMIC STALL AND SEARCH FOR ITS CONTROL	PETER		N 18 16/03/99 \$105,569	HELIN	89-VA-220
UNIV OF COLORADO	FREYHUT				
UNSTEADY SEPARATED FLOWS: PHYSICAL MECHANISMS AND CONTROLS	MARVIN		N 23 16/03/98 \$269,824	HELIN	99-VA-231
UNIV OF COLORADO	LUTTGES				
EFFECT IN FREE STREAM TURBULENCE ON HEAT TRANSFER	MURTHY	R	17/03/99 \$56,597	HELIN	99-VA-24
PURDUE RESEARCH FOUNDATION					
THEORETICAL STUDIES OF THE KINEMATICS, DYNAMICS, STABILITY AND CONTROL OF UNSTEADY VORTICAL FLOWS	CHOI	N 24 21/03/99 \$29,000	HELIN	99-VA-256	
UNIV OF COLORADO	CHIEN-YEN				
(SBIR PHASE II) HOT-BLOCK ANEMOMETRY		N	35		

TITLE TITLE (CONT.)	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
SCIENTIFIC RSCH ASSOCIATES INC	BRIAN	28/03/98 \$53,320	HELIN 38-VA-211	
(S81R) A SEPARATION SENSOR BASED IN A NEWLY DISCOVERED ANALYTICAL SERVICES & MATERIALS INC.	THOMPSON MANGALAM	N 06 15/01/98 \$50,000	MCMICHAEL 89-VA-077	
(S81R) QUANTIFICATION OF TURBULENCE FOR HYPERSONIC FLOW AROUND AEROSPACE SYSTEMS	FATOU	N 06 15/01/98 \$51,737	MCMICHAEL 89-VA-078	
(S81R) ANALYTICAL FLUID DYNAMICS	ADOMIAN	N 07 15/01/98 \$50,000	MCMICHAEL 88-VA-091	
(S81R) GENERAL ANALYTICS CORPORATION	G			
(S81R) SHOCK-TURBULENCE INTERACTIONS IN ELEMENTARY GEOMETRIES	FRANK	N 06 15/01/98 \$49,734	MCMICHAEL 88-VA-093	
(S81R) PECA CORPORATION	HONG	N 06 15/01/98 \$49,337	MCMICHAEL 88-VA-034	
(S81R) PECA CORPORATION	JORDAN	N 06 15/01/98 \$49,897	MCMICHAEL 88-VA-035	
(S81R) PECA CORPORATION	JORGE	N 06 15/01/98 \$49,897	MCMICHAEL 88-VA-037	
(S81R) A NEW DESIGN FOR A THERMAL MOMENTUMIZER IN A PULSED CLOSED-CYCLE HIGH POWER EXCIMER LASER	JORDAN	N 06 15/01/98 \$50,214	MCMICHAEL 89-VA-037	
VISYAN RESEARCH ASSOCIATES INC	SUNDARAM	P		
(S81R) DESIGN OF ADVANCED TRANSIENT LOW DRAG NATURAL LAMINAR FLOW EJSELAJE SHAPES	SIVAPRAASAD	N 06 15/01/98 \$55,039	MCMICHAEL 88-VA-038	
VISYAN RESEARCH ASSOCIATES INC	DOOSELE	P		
(S81R) IMPROVED FLOW UNDERSTANDING: DESIGN OF A HIERARCHICAL PARALLEL PROCESSING CFD CODE	MANJARAT	V 05 15/01/98 \$50,000	MCMICHAEL 89-VA-039	
(S81R) A SEPARATION SENSOR BASED IN A NEWLY DISCOVERED PHASE		N 06		

TITLE INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	PROGRAM MANAGER PROPOSAL #	STATUS	INITIATE START DATE TST ACT
REVERSAL PHENOMENON ANALYTICAL SERVICES & MATERIALS INC.	MANGALAM S	15/01/88 \$50,000	MCMICHAEL 98-NA-030		
(SFIR) STREAMLINE CURVATURE EFFECTS ON A HYPERSONIC/SUPERSONIC SHEAR/MIXING LAYER FLOW INDUSTRIES INC	JU WEN-HUEI	N 06 15/01/88 \$49,350	MCMICHAEL 88-NA-031		
(SFIR) EXPLOITATION OF MULTIPLE SOLUTIONS OF THE NAVIER-STOKES EQUATIONS TO ACHIEVE RADICALLY IMPROVED FLIGHT NIELSEN ENGINEERING AND RESEARCH CO	DAVID	N 06 15/01/88 \$54,021	MCMICHAEL 88-NA-032		\$54,021 15/07/89 \$54,021
(SFIR) STABILITY AND TURBULENCE MECHANISMS IN VORTEX FLOWS NIELSEN ENGINEERING AND RESEARCH CO	ROBERT CHILDS	N 06 15/01/89 \$59,393	MCMICHAEL 88-NA-033		
(SFIR) A NEW METHODOLOGY FOR ADAPTIVE GRID GENERATION CREARE INC. RESEARCH & DEVELOPMENT INC	ARKADY DVINSKY	N 36 15/01/89 \$49,971	MCMICHAEL 88-NA-034		
(SFIR) BLUNT BODY DRAG REDUCTION BY FORCED SEPARATION VIZYAN RESEARCH ASSOCIATES INC	RAJ D	N 36 15/01/88 \$49,451	MCMICHAEL 88-NA-035		
(SFIR) PARALLEL PROCESSING ALGORITHMS FOR FLUID MECHANICS FORMAL SYSTEMS DESIGN & DEVELOPMENT INC	STEVE STUCKWISCH	N 06 15/01/88 \$50,000	MCMICHAEL 88-NA-036		
(SFIR) QUANTITATIVE DESCRIPTION OF THREE-DIMENSIONAL FLOW FIELDS USING FLOW VISUALIZATION AND AUTOMATED IMAGE PROCESSING NORTHWEST RESEARCH ASSOCIATES, INC.	ROBERT FRASER	N 36 19/01/88 \$49,952	MCMICHAEL 88-NA-107		
(SFIR) ADVANCED ALGORITHM FOR 3D VISCOUS AND SEPARATED FLOW INTELLIGENT SYSTEMS INTEGRATION INC.	LU Z	N 06 13/01/88 \$69,333	MCMICHAEL 98-NA-178		
(SFIR) ADVANCED SIGNAL PROCESSING FOR HIGH SPEED FLOWS USING ISTUCAK FREQUENCY DOMAIN TECHNIQUES AEROMETRICS INC	EACHALO WILLIAM	N 06 13/01/88 \$49,373	MCMICHAEL 98-NA-103		
ANALYSIS OF HYPERSONIC FLOWS		N 12			

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LOCKHEED CALIFORNIA COMPANY	LJNÉ LYLE	02/02/88 \$355,221	MCMICHAEL 88-NA-124	\$333,621 15/05/88 \$777,050
UNSTEADY BEHAVIORS OF TURBULENT SHEAR FLOWS	LARRY REDKOPP	R 24 02/02/88 \$777,350	A MCMICHAEL 88-NA-125	
NONLINEAR DYNAMICS AND CHAOTIC MOTIONS OF FLUID-STRUCTURE INTERACTION SYSTEMS	MICHAEL PAIDOUSSIS	N 36 04/02/88 \$257,227	MCMICHAEL 88-NA-130	
(SBIR) ENHANCED COMPUTATIONAL MODELING OF VISCOUS AND SEPARATED FLOWS FOR COMPLEX FIELDS	GEORGE SIM	N 06 04/02/88 \$49,397	MCMICHAEL 88-NA-136	
(SBIR) RESEARCH INSTRUMENTATION: GAS/AIR FLOW MEASUREMENT DEVICE	DAVID WORTMAN	N 06 04/02/88 \$37,227	MCMICHAEL 88-NA-137	
ARCHITECTURAL ENERGY CORPORATION	RICHARD CAMPBELL	N 05 04/02/88 \$49,278	MCMICHAEL 88-NA-138	
(SBIR) MINIATURE AERODYNAMIC FLOW ANGLE SENSOR ENGINEERING DEVELOPMENT LAB. INC.	KENNETH POWELL	N 24 17/02/88 \$121,735	MCMICHAEL 88-NA-143	
A STUDY OF VORTICES IN COMPRESSIBLE FLOW	UNIVERSITY OF MICHIGAN			
THE STRUCTURE AND CONTROL OF THREE-DIMENSIONAL SHOCK WAVES	SEYMORE COGONOFF	R 24 19/02/88 \$773,796	MCMICHAEL 88-NA-148	
TURBULENT BOUNDARY LAYER INTERACTIONS				
PRINCETON UNIVERSITY				
FLOW AROUND A FLEXIBLY SUPPORTED CYLINDER	MUHAMMED GAO-EL-HAK	N 36 22/02/88 \$371,302	MCMICHAEL 88-NA-149	
UNIV OF NOTRE DAME				
(SBIR) THREE DIMENSIONAL ADAPTIVE GRID GENERATION FOR ARBITRARY GEOMETRIES	CHRISTOPHER REED	N 5 22/02/88 \$49,952	MCMICHAEL 88-NA-151	
SYSTEMS DYNAMICS INCORP.				
(SBIR) FLUID MECHANICS: INVISCID-VISCOUS ANALYSIS BY FINITE		N 5		

TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
ELEMENT METHOD FOR AIRFIELDS WITH ICING MEGA RESEARCH INC.	WU ER1-RONG	22/02/88 \$49,938	MCMICHAEL 88-NA-152	
(SAIR) MODULAR PARALLEL PARTIA- DIFFERENTIAL EQUATION SOLVER FOR FLUID MECHANICS PARSOFT CORPORATION	KOLAWA ADAM	N 5 22/02/88 \$49,851	MCMICHAEL 88-NA-153	
(SEIR) SIMULANT GAS AIR CHEMISTRY EFFECTS TEST TECHNIQUE FLUID PHYSICS IND.	TRACI RICHARD	N 5 22/02/88 \$54,234	MCMICHAEL 88-NA-154	
(SAIR) INNOVATIVE NUMERICAL METHODS FOR COMPUTATIONAL FLUID DYNAMICS ADVANCED TECHNOLOGY ENGINEERING CONS.	VENKATESAN MATAJEEVA	N 6 22/02/88 \$46,710	MCMICHAEL 88-NA-155	
(SAIR) FLUID MECHANICS AERJCON INCORP.	HOCKER STEPHEN	N 5 23/02/88 \$46,766	MCMICHAEL 88-NA-157	
EXPERIMENTAL INVESTIGATION OF A SPANWISE FORCED MIXING LAYER JNIV OF ARIZONA	GLEZER ARI	R 24 26/02/88 \$165,802	MCMICHAEL 88-NA-158	\$79,997 01/07/88 \$165,902
OPTICAL PROPERTIES OF PLANE SHEAR LAYERS UNDER PERIODIC DISTURBANCES UNIV OF WASHINGTON	CHRISTIANSEN WALTER	N 18 16/03/88 \$133,721	MCMICHAEL 88-NA-202	\$66,368 01/07/88 \$133,721
THREE-DIMENSIONAL VORTEX INTERACTIONS IN TURBULENT BOUNDARY LAYERS LEHIGH UNIVERSITY	SMITH JR CHARLES	R 24 17/03/88 \$542,592	MCMICHAEL 88-NA-213	
PHYSICALLY BASED NUMERICAL DISSIPATION FOR EULER AND NAVIER-STOKES EQUATIONS PENNSYLVANIA STATE UNIVERSITY	DULIKRAVICH GEORGE	N 24 23/03/88 \$120,000	MCMICHAEL 88-NA-208	
(SAIR) AEROTHERMAL LOADS FOR HYPERSONIC VEHICLES SCIENTIFIC R&D ASSOCIATES INC	SHAMROTH STEPHEN	N 95 05/01/88 \$50,000	NACHMAN 88-NA-075	
(SAIR) IMPROVE STRUCTURAL EFFICIENCY AND DURABILITY		N 34		

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INSTITUTION		PROGRAM MANAGER	PROPOSAL #	START DATE
CENTER FOR REMOTE SENSING	GANGULY	15/01/98 \$48,329	NACHMAN 88-VA-030	7/7/97
(SBIR) RESEARCH ON INSTRUMENTATION USING MULTIPLE ZERO CROSSINGS	SUMAN	20/01/98 \$50,330	NACHMAN 88-VA-110	7/7/97
COVX INC.	JOHN STUART	N 06 21/01/98 \$50,000	NACHMAN 88-VA-113	7/7/97
(SBIR) COUPLED STRUCTURE-FLUID INTERACTION APPROACH TO ROCKET NOZZLE FATIGUE AND INSTABILITY PROBLEMS	KAMIL CHEN	N 36 21/01/98 \$49,866	NACHMAN 88-VA-114	7/7/97
SCIENTIFIC PSCH ASSOCIATES INC	S HASAN	N 06 03/02/98 \$198,174	NACHMAN 88-NA-126	7/7/97
(SBIR) KNOWLEDGE-BASED NONLINEAR ANALYSIS AND DAMAGE PREDICTIONS FOR AEROSPACE STRUCTURES	KAMIL	N 36 03/02/98 \$49,866	NACHMAN 88-NA-126	7/7/97
STRUCTURAL ANALYSIS TECHNOLOGY INC	TADJBAKSH	N 0 05/02/98 \$4,930,870	NACHMAN 89-VA-140	7/7/97
APPROXIMATE METHODS IN DYNAMIC STABILITY OF FLEXIBLE MECHANISMS	JAY IRADJ	N 0 02/03/98 \$49,626	NACHMAN 88-NA-154	7/7/97
RENSSELAER POLYTECHNIC INSTITUTE				
(SBIR) INNOVATIVE STORAGE METHODS AND SOLUTION-ADAPTIVE GRIDS FOR FINITE ELEMENT METHODS	BUCKMAN	N 06 02/03/98 \$49,626	NACHMAN 88-NA-154	7/7/97
MAINSTREAM ENGINEERING CORPORATION				
(SBIR) STRAIN-RATE SENSOR DEVELOPMENT	BARBER	N 6 02/03/98 \$49,626	NACHMAN 88-NA-154	7/7/97
IAP RESEARCH, INC.	JOHN			
(SBIR) RESEARCH INSTRUMENTATION FOR HIGH RESOLUTION SURFACE SHAPE & DEFLECTION MEASUREMENT	KERN	N 6 02/03/98 \$49,992	NACHMAN 89-NA-155	7/7/97
ATLANTIC APPLIED RESEARCH	FRED			
SBIR DEVELOPMENT OF A LIGHTWEIGHT TACTICAL TOWER				
FANTOZZI COMPANY, INC.				
(SBIR) A STUDY OF NONCLASSICAL FLOW-INDUCED RESPONSES OF A LIFTING SURFACE DUE TO LOCALIZED DAMAGE OR DISTURBANCES	FANTOZZI	N 06 03/03/98 \$155,728	NACHMAN 88-VA-177	7/7/97
INTELLIGENT SIGNAL PROCESSING	MARK			
HONG JAE				
(SBIR) TRANSDUCER INDUCED ANOMALIES ON NONLINEAR COMPUTATIONAL		N 06 03/03/98 \$49,946	NACHMAN 88-VA-178	7/7/97

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ANALYSIS AND MODELING TECHNIQUES INTELLIGENT SIGNAL PROCESSING, PENNSYLVANIA STATE UNIVERSITY	HONG JAE	10/03/88 \$49,923	NACHMAN NACHMAN 88-NA-193	
INVERSE DESIGN AND OPTIMIZATION OF AERODYNAMIC CONFIGURATIONS AIR FORCE INSTITUTE OF TECHNOLOGY	DULIKRAVICH PALAZOTTO	15/03/88 \$197,705	NACHMAN NACHMAN 88-NA-197	\$60,025 01/07/88 \$203,924
(SBIR) ANTI-SOUND ACTIVE CONTROL OF COMBUSTION INSTABILITY IN RAMJET DUMP COMBUSTORS FLOW INDUSTRIES INC	ANTHONY MENON	19/03/88 \$203,924	NACHMAN NACHMAN 88-NA-295	
(SBIR) AN INSTRUMENT FOR THE SIMULTANEOUS MEASUREMENT OF VELOCITY TEMPERATURE AND DENSITY OF UNSEEDED AIR-FLOWS ANALATUM INC	GABRIEL LAUFER	05/01/88 \$56,214	TISHKOFF TISHKOFF 88-NA-073	\$49,808 15/07/88 \$49,808
(SBIR) IMPROVED PARABOLIZED NAVIER-STOKES (PNS) ALGORITHM FOR SUPersonic REACTING FLOWS VIGYAN RESEARCH ASSOCIATES INC	CHITOMBOON TAWIT	15/01/88 \$49,808	TISHKOFF TISHKOFF 88-NA-379	
(SBIR) IMPROVED PARABOLIZED NAVIER-STOKES (PNS) ALGORITHM FOR SUPersonic REACTING FLOWS VIGYAN RESEARCH ASSOCIATES INC	CHITOMBOON TAWIT	15/01/88 \$49,206	TISHKOFF TISHKOFF 88-NA-036	
(SBIR) MEASUREMENT OF THREE-DIMENSIONAL TEMPERATURE AND VELOCITY FIELDS USING HOLOGRAPHY SCIENTIFIC R&D ASSOCIATES INC	TJLPADI ANIL	20/01/88 \$49,206	TISHKOFF TISHKOFF 88-NA-112	
(SBIR) ADVANCED NON-INTRUSIVE DIAGNOSTICS FOR SPRAYS ADVANCED FUEL RESEARCH INC.	SOLMON PETER	21/01/88 \$68,401	TISHKOFF TISHKOFF 88-NA-117	
(SBIR) ADVANCED NON-INTRUSIVE DIAGNOSTICS FOR TURBULENT FLAMES ADVANCED FUEL RESEARCH INC.	SOLMON PETER	21/01/88 \$62,141	TISHKOFF TISHKOFF 88-NA-118	
(SBIR) A NON-INTRUSIVE OPTICAL TECHNIQUE FOR SIMULTANEOUS		N 36		

TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TODAY
MULTIPOINT TEMPERATURE MEASUREMENTS IN FLAMES (PPC-080) PHYSICAL SCIENCES INC	MARK ALLEN	21/01/98 \$49,980	TISHKOFF 89-NA-119	
(SSIR) KINETIC MODELING OF Soot FORMATION IN MULTICOMPONENT FUEL ADVANCED FUEL RESEARCH INC.	MICHAEL SERIO	N 06 21/01/98 \$72,718	TISHKOFF 88-NA-120	
TURBULENT MIXING IN EXPONENTIAL TRANSVERSE JETS UNIV OF WASHINGTON	BREIDENTHAL ROBERT	R 24 03/02/98 \$53,997	A TISHKOFF 89-NA-127	\$63,997 01/08/89 \$130,994
COMBUSTION KINETICS RELATED TO SUPERSONIC ARMAMENT RES CMO/BALLISTICS RSCH LA	MIKOŁEK ANDRZEJ	N 05 04/02/98 \$158,000	TISHKOFF 88-NA-128	
STABILITY OF A REACTING GASEOUS SHEAR LAYER MASSACHUSETTS INSTITUTE OF TECHNOLOGY	LANDAU MARTEN	N 12 04/02/98 \$111,893	O TISHKOFF 88-NA-139	
A STUDY OF OBLIQUE DETONATIONS FOR SUPERSONIC COMBUSTION UNIV OF CONNECTICUT	DABJR ELI	N 24 17/02/98 \$196,370	TISHKOFF 88-NA-144	
SENSE-SPRAY STRUCTURE AND PHENOMENA UNIV OF MICHIGAN FAETH	GERARD	R 12 17/02/98 \$110,000	A TISHKOFF 88-NA-147	\$110,000 15/07/98 \$110,000
SAIN KINETICS AND INHIBITION OF SOOT FORMATION PHYSICAL SCIENCES INC	RAWLINS W	N 06 01/03/98 \$49,998	TISHKOFF 88-NA-159	
SSIR FT-IR EMISSION AND TRANSMISSION TOMOGRAPHY FOR COMBUSTION DIAGNOSTICS INC. ADVANCED FUEL RESEARCH INC.	SOLMCN PETER	N 06 01/03/98 \$64,532	TISHKOFF 88-NA-160	
(SSIR) PROPULSION (LIQUID ATOMIZATION) VERITAT TECHNOLOGY, INC.	TALLEY ROBERT	N 6 02/03/98 \$49,994	TISHKOFF 89-NA-166	
SSIR RADIATIVE IGNITION AND FLAME HOLDING FOR SUPERSONIC COMBUSTORS		N 06		

TITLE TITLE (CONT.) INSTITUTION	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TCT AWT
INVESTIGATOR	09/03/88 \$50,000	TISHKOFF 88-NA-175	
PRINCETON SCIENTIFIC ENTERPRISE, INC.	DAVID		
SBIR DEMONSTRATION OF THE JETLIQUE DETONATION WAVE FOR HYPERSONIC PROPULSION ASTRON RESEARCH & ENGINEERING	NAKAMURA	N 06 09/03/88 \$77,715	\$77,715 15/07/88 \$77,715
SBIR CATALYTIC COMBUSTION FOR IMPROVED IGNITION AND FLAME STABILITY PRECISION COMBUSTION, INC.	PFEFFERLE	N 36 09/03/88 \$50,000	TISHKOFF 88-NA-181
SBIR COLLOIDAL DYNAMICS SIMULATIONS OF HIGHLY VISCOUS CONCENTRATED FUEL SLURRIES (PE-106) METAMATIX INC.	WILEWSKI	N 36 09/03/88 \$49,991	TISHKOFF 89-NA-192
SBIR HEAT FLUX GAGE DEVELOPMENT VATEL CORPORATION	LANGLEY	N 06 10/03/88 \$48,507	TISHKOFF 89-NA-198
SBIR FULLY AUTOMATIC CALIBRATION SYSTEM DOWNLAND-BACH CORPORATION	SEL RIDGE	N 06 10/03/88 \$91,200	TISHKOFF 98-NA-130
SBIR DEVELOPMENT OF AN AUTOMATED VAPOR PRESSURE MEASURING INSTRUMENT ROCKY RESEARCH	LANGELIERS	N 36 10/03/88 \$50,000	TISHKOFF 88-NA-191
SBIR INVESTIGATION OF THRUST AUGMENTATION METHODS MOCOSIDE GROUP, INC.	OLIVER	N 06 10/03/88 \$49,832	TISHKOFF 89-NA-134
(SBIR) A NON-INVASIVE LAMINAR TO TURBULENT FLOW DETECTOR CONTINUUM DYNAMICS, INC.	BILANIN	N 6 14/03/83 \$49,537	TISHKOFF 88-NA-136
THE MODELING OF DROP-CONTAINING TURBULENT EDDIES JET PROPULSION LABORATORY	ALAN		
(SBIR) TWO STEP DETAILED NUMERICAL STUDY OF NONLINEAR CONCRETE-	JOSETTE BELLAN	N 12 24/03/88 \$63,900	TISHKOFF 88-NA-219
		N 06	

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REBAR INTERACTION WEIDLINGER ASSOCIATES	NELSON	IVAN 19/01/88 \$50,017	WU 88-NA-104	
STRUCTURAL OPTIMIZATION OF SANDWICH COMPOSITE SHELLS TO VARIOUS LOADINGS UNIV OF DELAWARE	VINSON	JACK 04/02/88 \$137,452	WU 88-NA-129	
(S31R) TRACKING AND LOCATING FRACTURES AWAY FROM BREHOLE IN A ROCK MASS VISTA RESEARCH CORPORATION	DELA CRJZ	RODOLFO 04/02/88 \$50,000	WU 88-NA-134	
(S31R) A RATE-SENSITIVE CONTINUUM DAMAGE MODEL FOR GEOMATERIALS BERKELEY APPLIED SCIENCE & ENGR.	PANAHANDEH	M 04/02/88 \$49,441	WU 88-NA-135	
STATISTICAL PHYSICS ANALYSIS OF ROCK AND CONCRETE DAMAGE RESPONSE SOREQ	JAEGER	ZEEV 11/02/88 \$320,582	WU 88-NA-141	
THE CONTINUING ACTIVITIES OF THE US NATIONAL COMMITTEE FOR ROCK MECHANICS DEPT OF THE INTERIOR	CHAMBERLAIN	PETER 22/02/88 \$22,500	WU 88-NA-156	\$22,500 01/03/89 \$22,500
A STUDY OF FRACTURE PROCESSES IN CONCRETE USING LASER Holography NORTHWESTERN UNIVERSITY	SHAH	SURENDRA 03/03/88 \$116,149	WU 88-NA-157	
TETRAHEDRAL FRAMES FOR STRUCTURES AND COMPOSITES O&A JAG INDUSTRIES	HOLT	ALBERT 07/03/88 \$50,000	WU 88-NA-172	

TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOD AMT
FUNDAMENTAL STUDIES OF FRICTION, LUBRICATION AND WEAR BY ATOMIC FORCE MICROSCOPY ENTL BUSINESS MACHINE CORP	GARY MCCLELLAND	N 11/01/88 \$80,000	BURGGRAF 33-NC-072	
STUDIES OF LIQUID/SOLID INTERFACES BY NONLINEAR SPECTROSCOPY COLUMBIA UNIVERSITY	EISENSTHAL KENNETH	N 11/01/88 \$110,311	BURGGRAF 38-NC-073	
SIMPLIFIED FABRICATION OF STABLE HIGH TEMPERATURE SUPERCONDUCTING FILMS BY COEVAPORATION OF FLUORIDES BELTRAN ASSOCIATES INC	SIMONE CONSTANCE	N 14/01/88 \$50,000	BURGGRAF 89-NC-039	
IMPROVED DUCTILITY IN HEATED SPUN HTSC RIBBON/WIRE: YBaCuO ALLOYS OF VARIOUS METALS BELTRAN ASSOCIATES INC	SIMONE CONSTANCE	N 14/01/88 \$50,000	BURGGRAF 89-NC-030	
SIMPLIFIED FABRICATION OF STABLE HIGH TEMPERATURE SUPERCONDUCTING FILMS BY PULSED LASER EVAPORATION OF THE FLUORINATED 1-2-3 COMPOUND BELTRAN ASSOCIATES INC	SIMONE CONSTANCE	N 14/01/88 \$50,000	BURGGRAF 89-NC-091	
SCANNING TUNNELING MICROSCOPE STUDIES OF FACETING UNIVERSITY OF MARYLAND	WILLIAMS ELLEN	N 01/02/88 \$94,147	BURGGRAF 38-NC-113	
DYNAMICS OF GAS-SURFACE INTERACTIONS UNIV OF CHICAGO	SIBENIK STEVEN	N 03/02/88 \$135,395	A BURGGRAF 38-NC-130	\$65,094 01/05/89 \$487,741
MECHANISMS OF REACTIVE ETCHING PRINCETON UNIVERSITY	BERNASEK STEVEN	R 05/02/88 \$68,650	A BURGGRAF 38-NC-137	\$68,650 01/05/88
NEW MATERIALS APPROACHES TO TRIBOCHEMISTRY: THEORY AND APPLICATIONS MATERIALS RESEARCH SOCIETY	PLATE LARRY	N 17/02/98 \$5,000	A BURGGRAF 39-NC-145	\$5,000 01/03/89 \$5,000
ELECTRONIC INTERACTIONS OF DIRECTED PHOTON BEAMS WITH SURFACES VANDERBILT UNIVERSITY	TJUK NORMAN	N 23/02/95 \$112,761	A BURGGRAF 39-NC-149	\$113,000 01/05/93 \$350,900

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				PAGE
SURFACE SPECIES IN POLYMER CIVV DE ILLINOIS	STILLMAN	ANDREW	N 12 23/02/83 \$114,900	2 JURGGRAF 38-NC-151
UTILIZATION OF ACTIVE MAGNETO-OPTICAL ROTATION EFFECT SPECTROMETRY FOR THE ANALYSIS OF REFRACTORY MATERIALS UNIVERSITY OF MEXICO STATE UNIVERSITY	RAYSON	GARY	N 12 29/03/83 \$59,691	D JURGGRAF 88-NC-165
ENERGY AND CHEMICAL CHANGE RICE UNIVERSITY	KINSEY	JAMES	N 12 20/01/83 \$45,937	DAVIS 88-NC-036
LARGE MOLECULAR BI-METALLIC HYDROGEN CLUSTERS AND THEIR MATERIAL PROPERTIES: POSSIBLE USE IN SILVER METALLIZATION UNIV DE ILLINOIS	TEC	BOB	N 12 22/01/83 \$131,206	DAVIS 38-NC-039
FAST YET ACCURATE METHODS TO CALCULATE CROSS SECTIONS AND RATE CONSTANTS FOR RADIOLYTIC AND REACTIVE COLLISIONS YALE UNIVERSITY	CROSS, JR.	R. JAMES	N 12 26/01/83 \$109,343	DAVIS 38-NC-102
THEORETICAL STUDY OF THE VIBRATIONAL RELAXATION OF IONS SRI INTERNATIONAL	MARICO	M. MATTI	N 12 29/01/83 \$54,145	DAVIS 98-NC-103
STATE-RESOLVED REACTION DYNAMICS STANFORD UNIVERSITY	ZAPE	RICHARD	R 12 01/02/83 \$361,593	DAVIS 88-NC-112
FUNDAMENTAL STUDIES ON RADICAL SURFACE INTERACTIONS SRI INTERNATIONAL	GOLDEN	DAVID	N 12 02/02/83 \$132,418	DAVIS 38-NC-116
EXCITATION, ILLUMINATION AND FLUOROCENE ETCHING ON SI UNIV OF CALIFORNIA	CARTER	EMILY	N 12 22/02/83 \$90,321	DAVIS 98-NC-117
VIBRATIONAL METHODS USING SLATED-TYPE CRISTALS IN QUANTUM CHEMISTRY			N 12	

TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TO ANT
FLUORINE ATOM UNIVERSITY	JONES	HERBERT \$38,379	DAVIS 83-NC-123	
FLUORINE TRANSITION MASS SPECTROSCOPIC STUDIES OF MASS SELECTED METAL AND SEMICONDUCTOR CLUSTERS AND THEIR REACTIONS OHIO STATE UNIVERSITY	MILLER	TERPY \$128,379	DAVIS 83-NC-124	
DYNAMICS, SPECTROSCOPY AND ELECTRONIC PROPERTIES OF SURFACES AND SOLIDS	GEORGE	THOMAS \$158,000	DAVIS 05/02/88 \$50,000	DAVIS 02/02/88 83-NC-135
Numerical Study of Hydractive Nitrogen Tetroxide Laminar Diffusion Flames in a Burke-Schumann Configuration	SMITH	JOHN \$50,000	DAVIS 08/02/88 \$43,862	DAVIS 10/03/88 83-NC-159
CALCULATIONS OF KINETIC DATA FOR PROCESSES LEADING TO UV SIGNATURE CHEMICAL DYNAMICS CORPORATION	SWAMIATHAN	P.		
DEVELOPMENT OF A SLANTWISE CONVECTIVE PARAMETERIZATION SCHEME FOR AN OPERATIONAL MESSOSCALE NUMERICAL WEATHER PREDICTION SYSTEM	V. MISHAN			
MESOSCALE ENVIRON SIMUL & DEEP INC	KARYAMPUDI	J		
OPTIMAL FORMULATION OF PLANETWISE CONVECTIVE PARAMETERIZATION SCHEME FOR PARAMETERIZATION FOR MESSOSCALE NUMERICAL WEATHER PREDICTION (NPW) MESSOSCALE ENVIRON SIMUL & DEEP INC	NEPHKORN	THOMAS \$49,368	KOERMER 07/01/88 \$49,368	KOERMER 12/01/88 86-NC-075
ATMOSPHERIC MESSOSCALE MODEL DEVELOPMENT ATMOSPHERIC AND ENVIRONMENTAL RESEARCH	RALPH			
APPLICATIONS FOR AN ACQUEROUS GAS SOURCE FOR THE MEASUREMENT OF AMMONIA AEROSOLS VIJAYAN RESEARCH ASSOCIATES INC	MARSHALL, JO	RALPH \$46,230	KOERMER 12/01/88 \$50,000	KOERMER 13/01/88 88-NC-076
IN-SEITU ATMOSPHERIC GROUND MEASUREMENTS WITH THE TUNSTILL ACTID TECHNIQUE VIJAYAN RESEARCH ASSOCIATES INC	MARSHALL, JO	RALPH \$50,000	KOERMER 13/01/88 \$50,000	KOERMER 13/01/88 88-NC-079
IN-SEITU ATMOSPHERIC GROUND MEASUREMENTS WITH THE ACTID TECHNIQUE				

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PROPOSAL	INVESTIGATION		AMOUNT	PROPOSAL #	TO/T AMT
YENDER METHOD	VISYAN RESEARCH ASSOCIATES INC	MARSHALL, JR	RALPH	13/01/93 \$50,000	KOERMER 98-NC-091
APPLICATION OF THE TUNGSTEN ACID TECHNIQUE FOR DETECTION OF AMMONIA	AMMONIA AEROSOL	MARSHALL, JR	RALPH	N 06 13/01/93 \$50,000	KOERMER 98-NC-092
ULTRARECEIVER/MAGNETOMETER CENTER FOR REMOTE SENSING	GANGULY	SUMAN		N 06 13/01/93 \$49,406	KOERMER 89-NC-093
IMPROVED WIND PROFILER CENTER FOR REMOTE SENSING	GANGULY	SUMAN		N 06 13/01/93 \$49,679	KOERMER 98-NC-094
USE OF MULTIPROCESSING COMPUTERS FOR GLOBAL NUMERICAL WEATHER PREDICTION	ATMOSPHERIC AND ENVIRONMENTAL RESEARCH	HOFFMAN	ROSS	N 06 13/01/93 \$44,360	KOERMER 98-NC-095
PREDICTABILITY MEASURES OF ATMOSPHERIC GRAVITY WAVE STATES	PHYSICAL DYNAMIC INC	WEST	BRIESE	N 06 13/01/93 \$49,975	KOERMER 88-NC-096
MICROBURST/WINDSHIELD WARNING SYSTEM	AIRBORNE RESEARCH ASSOCIATES	MARSSON	RALPH	N 06 14/01/93 \$50,000	KOERMER 89-NC-097
SENSITIVE AEROSOL ELECTROMETER	LAGUNA RESEARCH LAB	L205	HENDRICUS	N 06 13/01/93 \$65,245	KOERMER 98-NC-098
IMPROVED SPECTRAL MODEL VISIBILITY AND CLOUD FORECASTING DUE TO INITIALIZATION BY OBSERVED DYNAMIC LONGWAVE RADIATION	ELIZABETH STATE UNIVERSITY	WEINER	ALLAN	N 12 22/01/93 \$50,000	KOERMER 92-NC-099
IONOSPHERIC ELECTRIC FIELDS, CURRENTS AND JULES HEATING AT HIGH LATITUDES	NATIONAL OCEANIC AND ATMOSPHERIC ADMIN	KRUEML	HERZENT	N 4 03/02/93 \$2,000	KOERMER 93-NC-139
NON-SUPERCELLULAR TORON				N 12	

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UNIV OF CALIFORNIA	WAKINOTO ROGER	10/02/88 \$53,300	KOERMER 88-NC-140	
ATMOSPHERIC/THERMOSPERMIC INFRARED AEROMONY AND STRUCTURE INVESTIGATION	JULWICK	N 12 10/02/88 \$103,595	KOERMER 88-NC-141	
CLOUD, A&D 3-1C (NU) SPECTRAL REGIONS	JAMES	N 12 15/02/88 \$78,934	KOERMER 88-NC-145	
STRAY-2: ATMOSPHERIC EXTINCTION EVALUATION CODE FOR VISITL, 3-5	KEN	N 08 22/02/88 \$63,535	KOERMER 88-NC-143	
PENNSYLVANIA STATE UNIVERSITY	TOMIYAMA	N 12 29/02/88 \$155,759	KOERMER 88-NC-152	
SENSITIVITY EVALUATION PROGRAM FOR LOWTRAN-7 AND FASCODE-3	KEN	N 08 22/02/88 \$63,535	KOERMER 88-NC-143	
PENNSYLVANIA STATE UNIVERSITY	REITER	N 12 29/02/88 \$142,143	KOERMER 88-NC-153	
MEWSCALE SEVERE WEATHER DEVELOPMENT UNDER GEOGRAPHIC INFLUENCES	ELMAR	N 12 29/02/88 \$3,000	KOERMER 88-NC-154	
COLORADO STATE UNIVERSITY	FAY	N 12 29/02/88 \$3,000	KOERMER 88-NC-153	
TRACE ELEMENTS IN CLOUD- AND PRECIPITATION-WATER	JAMES	N 12 29/02/88 \$3,000	KOERMER 88-NC-153	
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	HECHT	N 12 29/02/88 \$3,000	KOERMER 88-NC-154	
NAS BOARD ON ATMOSPHERIC SCIENCE AND CLIMATE (BASC)	ALAN	N 12 29/02/88 \$3,000	KOERMER 88-NC-154	
NASA - R AND D ATMOSPHERIC PROGRAMS	DONALD	N 12 29/02/88 \$3,000	KOERMER 88-NC-154	
LABORATORY EXPERIMENTS TO INVESTIGATE THE ROLE OF GRAVITY WAVES/ SHEAR INTERACTIONS IN SUBCLOUD ATMOSPHERIC CIRCULATION	DELISI	N 12 10/03/88 \$52,744	KOERMER 88-NC-158	
NORTHWEST RESEARCH ASSOCIATES, INC.				
EXPERIMENT ON RAPIDLY INTENSIFYING CYCLONES OVER THE ATLANTIC (CERICA)	KREITZBERG	N 12 17/03/88 \$5,030	KOERMER 88-NC-152	
OFFICE OF NAVAL RESEARCH	CARL			
ENVIRONMENTAL TECHNICAL EXCHANGE CONFERENCE PLANNING ACTIVITIES		N 06 22/03/88 \$5,000	KOERMER 88-NC-153	\$5,000 01/04/88 \$5,000
ARMY ENGINEER WATERWAYS EXPERIMENT STA	HUSKY			
DEVELOPMENT OF PRACTICAL AND TECHNICAL USES FOR PREDICTION OF THE	LEONARD			
		2 12		

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PROPERTIES AND BEHAVIOR OF MATERIALS UNIV OF TEXAS	DEWAR MICHAEL J. S.	04/01/88 \$166,653	MATUSZKO 88-NC-056	
NEW METHODOLOGY FOR FLUORESCENT SYSTEMS UNIV OF IOWA	BURTON DONALD	05/01/88 \$130,676	MATUSZKO 88-NC-058	
SYNTHESIS OF NEW METASTABLE ULTRAWARD MATERIALS KMS FUSION INC	MIXON MICHAEL	14/01/93 \$49,392	MATUSZKO 89-NC-098	
SYNTHESIS ON METALS IN INORGANIC AND MATERIALS SCIENCE GEORGIA UNIV RESEARCH FOUNDATION INC	KING R. BRUCE	N 12 25/01/88 \$24,142	MATUSZKO 88-NC-110	
ORGANOSILICON COMPOUNDS AND POLYMERS: PRECURSORS TO SILICON-CONTAIN ING CERAMICS MASSACHUSETTS INSTITUTE OF TECHNOLOGY	SEYFERTH DIETMAR	N 12 26/01/98 \$230,000	MATUSZKO 88-NC-103	
PRECURSOR DESIGN AND SYNTHESIS FOR ADVANCED OXIDE AND NITRIDE MATE RIALS UNIV OF ARIZONA	WISLEY DAVID	N 12 26/01/98 \$73,309	MATUSZKO 88-NC-104	
CHEMICAL REACTIONS AND PROPERTIES OF ORGANOSILICON COMPOUNDS RELAT ED TO NEW MATERIALS UNIV OF WISCONSIN	WEST ROBERT	N 12 28/01/98 \$321,493	MATUSZKO 88-NC-109	
NEW N-N BOND FORMING REACTIONS. SYNTHESIS OF UNSATURATED NITROGEN COMPOUNDS OF THE MAIN GROUP AND TRANSITION ELEMENTS. EXOLGATRY UNIV OF CALIFORNIA	TRGLER WILLIAM	N 12 23/01/89 \$124,029	MATUSZKO 88-NC-110	
NEW INORGANIC-ORGANIC POLYMER SYSTEMS PENNSYLVANIA STATE UNIVERSITY	ALLCOCK HARRY	N 12 02/02/85 \$178,115	MATUSZKO 88-NC-121	
1993 SURFACE RESEARCH CONFERENCE IN ELASTOMERS UNIV OF RHODE ISLAND	COUCHSHANK A	N 12 03/02/93 \$5,000	MATUSZKO 88-NC-129	
DEVELOPMENT OF CHIRAL POLYSTYRENES FOR ENANTISELECTIVE		N 12		

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SUPERCRITICAL FLUID CRYSTALLIZABILITY YESTHOM YOUNG UNIVERSITY	ROISTER	11/02/88 \$99,557	MATUSZKO 88-NC-143	
NOVEL MATERIALS OF EXTENDED METALLACARBONANE SYSTEMS SOUTHERN METHODIST UNIVERSITY	BRYANT HJSMANE	12/02/88 \$51,582	MATUSZKO 88-NC-144	
STRUCTURE AND PROPERTIES OF NOVEL COMPOUNDS OF SILICON, GERMANIUM , AND TIN UNIV OF TEXAS	NARAYAN MICHL	01/03/88 \$100,000	MATUSZKO 88-NC-155	
SILICON NITRIDE PRECURSORS MC CHEMICAL RESEARCH & SERVICE CORP.	MING-TA HSU	10/03/88 \$62,177	MATUSZKO 88-NC-156	
PAT, PEG-BASED HYBRID POLYMERIC MATERIALS WITH NONLINEAR OPTICAL PROPERTIES NORTHWESTERN UNIVERSITY	TOBIN	04/01/88 \$162,000	ULRICH 89-NC-055	\$75,000 01/07/88 \$150,000
AN X-RAY AND NEUTRON SCATTERING STUDY OF POLYMER PLENDS UNIVERSITY OF MICHIGAN	ULLMAN	05/01/88 \$165,103	ULRICH 88-NC-057	
DISPERSED POLYMER NONLINEAR OPTICAL MATERIALS FOSTER-MILLER INC	DRUY		ULRICH 88-NC-059	\$198,000 01/07/88 \$375,000
HIGH JC SUPERCONDUCTING OXIDES VIA A THREE DIMENSIONAL TEMPLATE FOSTER-MILLER INC	MARK		ULRICH 88-NC-071	
SINGLE CRYSTAL SUPERCONDUCTING FIBERS OF POLYPHENYLENE VINYLENE AND IOD POLYMERS LASERPHENICS CORPORATION	LJSIGNEA SCHLECHT	RICHARD	ULRICH 88-NC-077	
TECHNOLGICALLY USEFUL ILC FILMS OF POLYPHENYLENE VINYLENE AND IOD POLYMERS FOSTER-MILLER INC	DRUY	12/01/88 \$48,498	ULRICH 88-NC-078	
CRYSTALLIZATION OF NANOCOMPPOSITE CLASSES MADE BY THE SSS PROCESS	MARK		ULRICH 88-NC-078	
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PENNSYLVANIA STATE UNIVERSITY UNIVERSITY	ROY	RUSTUM	21/01/88 \$153,530	ULRICH 39-NC-097
PENNSYLAER POLYTECHNIC INSTITUTE UNIVERSITY	INTERANTE	LEONARD	27/01/88 \$114,691	ULRICH 39-NC-105
CHEMICAL PROCESSING OF CERAMIC AND COMPOSITES UNIVERSAL ENERGY SYSTEMS INC	TAI-IL HAH		N 12 02/02/88 \$235,648	ULRICH 39-NC-126
MOLECULAR OPTICS: NONLINEAR OPTICAL PROCESSES IN ORGANIC AND POLYMERIC CRYSTALS AND FILMS UNIV OF PENNSYLVANIA	GARITO	A.	R 12 03/02/88 \$545,037	ULRICH A 01/07/88 \$1,500,000
PROCESSING, FABRICATION, CHARACTERIZATION, AND DEVICE DEMONSTRATION OF HIGH TEMPERATURE SUPERCONDUCTING CERAMICS BOEING CO	THOMAS		N 12 05/02/88 \$372,279	ULRICH 39-NC-136
FRACTAL ASPECTS OF MATERIALS: DISORDERED SYSTEMS MATERIALS RESEARCH SOCIETY	WEITZ	DAVID	N 12 17/02/88 \$3,000	ULRICH 39-NC-147
ORGANIC AND POLYMERIC NONLINEAR OPTICAL MATERIALS MINNESOTA MINING AND MANUFACTURE CO.	GERRIT	DIANA	N 06 23/02/88 \$5,000	ULRICH A 88-NC-150
TRACTABLE HIGH PERFORMANCE POLYMERS UNIV OF CALIFORNIA	SMITH	PAUL	N 12 03/03/88 \$403,500	ULRICH 39-NC-157
MOLECULAR ENGINEERING: DYNAMICS OF ELECTRON TRANSPORT AND NONLINEAR OPTICAL INTERACTION IN LANGMUIR-BLODGETT FILMS OF ORGANIC STATE UNIVERSITY OF NEW YORK	PRASAD	PARAS	R 12 15/03/88 \$5,432	ULRICH 39-NC-151
STUDY OF SIL-GEL PROCESSING SYSTEMS: THE EPR OF MAGNETIC PROPERTIES PENNSYLAER POLYTECHNIC INSTITUTE	MACCRONE	ROBERT	N 12 23/03/88 \$151,523	ULRICH 39-NC-154
MATERIALS SCIENCE AND ENGINEERING: RING-CO-C POLYMERS			N 12	

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MATERIALS RESEARCH SOCIETY	ADAMS	29/03/88 \$21,000	WILKES ULZICH 83-NC-156	
ULTRA-SENSITIVE ELEMENT ANALYSIS BY COMBINING LASER ATOMIZATION WITH RESONANCE IONIZATION SPECTROSCOPY	THONNARD	N 06 19/01/88 \$56,555	WILKES 98-NC-035	
MULTIELECTRON AND COUPLED ATOM TRANSFER REACTION KINETICS AT ELEC TROCHICAL INTERFACES	VORENT	N 12 26/01/88 \$127,359	WILKES 88-NC-101	
ELECTROCHEMICAL AND SPECTROSCOPIC STUDIES OF MOLTEN HALIDES	JOSEPH	N 12 27/01/88 \$185,369	WILKES 88-NC-106	
STRUCTURES, SPECTRA, AND THERMODYNAMICS OF DIALKYLMIDAZOLIUM HALOALGINATES	GLEB	N 12 01/02/88 \$100,000	WILKES 88-NC-111	
STRUCTURES, SPECTRA, AND THERMODYNAMICS OF DIALKYLMIDAZOLIUM HALOALGINATES	MAMANTOV	N 12 01/02/88 \$100,000	WILKES 88-NC-115	
A QUANTITATIVE STUDY OF THE ELECTROCHEMICAL FORMATION OF SALT MONOLAYERS	SABUNGSI	N 12 01/02/88 \$109,242	WILKES 98-NC-115	
SYNTHESIS, ION TRANSPORT AND THEORY OF SOLID POLYELECTROLYTES AND RELATED ROOM-TEMPERATURE MOLTEN SALT ELECTROLYTES	DELEVIE	N 12 04/02/88 \$100,000	WILKES 38-NC-133	
POLY CHEMICAL LASER STUDIES	MARK	N 12 14/01/88 \$43,532	WJDARCZYK 88-NC-032	
STATE-RESOLVED DYNAMICS OF IN-MOLECULE COLLISIONS IN A FLUIDING AFTERGLOW	WRIGHT	N 12 15/01/88 \$218,140	WJDARCZYK 88-NC-033	
IR SPECTROSCOPY AND DYNAMICS OF VAPOR PHASE COMPLEXES OF NAT -P	LEONE	N 12 23/01/88 \$170,365	WJDARCZYK 88-NC-107	
UNIV OF NORTH CAROLINA	STEPHEN MILLER	N 12 28/01/88 \$170,365		
A VISIBLE WAVELENGTH CHEMICALLY-DRIVEN ANTI-STOKES RAMAN LASER		N 12		

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DESIGN EDM CORPORATION	CARSON	SUSAN	01/02/88 \$104,316	WJDARCZYK 88-NC-114
PHOTODISSOCIATION DYNAMICS OF CLUSTER IONS UNIV OF CALIFORNIA	BOWERS	MICHAEL	N 12 02/02/88 \$197,562	WJDARCZYK 89-NC-118
VACUUM ULTRAVIOLET STUDIES OF MOLECULAR DYNAMICS CORNELL UNIVERSITY	HJUSTON	PAUL	N 12 02/02/88 \$141,652	WJDARCZYK 88-NC-119
LAS-SURFACE INTERACTIONS NEAR DISSOCIATION THRESHOLD UNIV OF SOUTHERN CALIFORNIA	WITTIG	CURT	N 12 02/02/88 \$100,000	WJDARCZYK 88-NC-120
STATE-SPECIFIC ENERGY TRANSFER AND CHEMILUMINESCENT REACTIONS SRI INTERNATIONAL	CROSLEY	DAVID	N 12 02/02/88 \$209,534	WJDARCZYK 89-NC-125
LASER DOUBLE RESONANCE SPECTROSCOPY OF CH AND CH IN FLAMES UNIV OF CALIFORNIA	DAILY	JOHN	N 12 03/02/88 \$163,645	WJDARCZYK 89-NC-131
STATE-RESOLVED COLLISIONAL ENERGY TRANSFER IN HIGH VIBRATIONALLY EXCITED POLYATOMIC MOLECULES UNIV OF WISCONSIN	CRIM	F. FLEMING	N 12 04/02/88 \$123,923	WJDARCZYK 88-NC-134
TRANSIENT BEHAVIORS IN CHEMICAL REACTIONS UNIV OF CALIFORNIA	PIMENTEL	GEORGE	N 12 11/02/88 \$164,155	WJDARCZYK 88-NC-142
CHEMIELECTRON AND PHOTOLECTION SPECTROSCOPY OF METALS AND METAL OXIDES IN IMPORTANCE IN THE UPPER ATMOSPHERE UNIV OF SOUTHAMPTON	SYKE	JOH	N 12 02/03/88 \$54,350	WJDARCZYK 88-NC-156

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USING NEURAL NETWORK TO LEARN FEATURES FOR COMPUTER VISION CLARKSON UNIVERSITY	KOCH MARK	N 12 04/01/93 \$54,930	FILES 98-NE-038	
ALGORITHM/ARCHITECTURE STUDY ON ARTIFICIAL NEURAL NETS PRINCETON UNIVERSITY	KJNG SUN-YUAN	N 36 04/01/93 \$300,553	FILES 88-NE-040	
STABILITY AND ADAPTATION IN NEURAL NETWORKS UNIV OF SOUTHERN CALIFORNIA (ELEC ENG)	KOSSIG BART	N 36 28/01/93 \$357,000	FILES 88-NE-049	\$116,700 01/07/93 \$357,000
MULTI-CHANNEL FAULT TOLERANT OPTICAL COMM TECH FOR INCREASED PERFORMANCE, TWO-SIDED, AND CAPACITY; SIMULTANEOUS VOICE, DATA PHENIX DIGITAL CORPORATION	BROWN RONALD	N 06 01/02/88 \$47,391	FILES 88-NE-052	
H. F. MODULE CENTER FOR REMOTE SENSING	GANSULY SUMAN	N 06 01/02/88 \$43,267	FILES 88-NE-053	
CHROMOPHOSPHILIC GLASS AS AN OPTICAL INTERCONNECT IN AN INTEGRATED CIRCUIT COMPLEX HARVEY WECHMAN ASSOCIATES	MECHAN HARVEY	N 16 01/02/88 \$50,325	FILES 88-NE-054	
PORTABLE H. F. SOURCE CENTER FOR REMOTE SENSING	SANSULY SUMAN	N 06 01/02/88 \$53,456	FILES 88-NE-055	
INVESTIGATIONS IN NONMONOTONIC REASONING ARTIFICIAL INTELLIGENCE RESEARCH INSTITUTE	BROWN FRANK	N 35 02/02/88 \$361,650	FILES 88-NE-056	
15TH ANNUAL INTERNATIONAL SYMPOSIUM ON COMPUTER ARCHITECTURE PENNSYLVANIA STATE UNIVERSITY	LOWIN MARY JANE	N 06 23/02/88 \$5,000	FILES 98-NE-109	\$5,000 15/05/89 \$5,000
INTEGRATED OPTOELECTRONIC COMPUTERS UNIV OF SOUTHERN CALIFORNIA	WILLIAM STEIER	N 97 23/02/88 \$65,000	FILES 33-NE-111	\$65,000 01/07/89 \$55,000

REPORT DATE 04/05/81

PROPOSAL STATUS REPORT (1 JAN 98 - 31 MAR 83)

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

DIRECTORATE OF ELECTRONIC AND MATERIAL SCIENCES

TITLE  
Title (cont.)  
INSTITUTION

TITLE  
INVESTIGATOR  
INVESTIGATOR

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TITLE Title (cont.) INSTITUTION	INVESTIGATOR INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT		STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TCT AMT
		TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #		
RESEARCH ON SPATIAL LIGHT MODULATORS WITH INTERNAL MEMORY UNIV OF CALIFORNIA	L. WALPITA	N 24 25/02/88 \$207,976	5 FILES 88-NE-116		
GENERALIZED CONSTRAINT ENCODING IN CONNECTIONIST NETWORKS NAVAL RESEARCH LABORATORY	GRIFIN RICHARD	N 26 29/02/88 \$53,500	4 FILES 88-NE-117	\$53,500 01/04/88	
HIGHLY COMPACT MONOLITHIC INTEGRATED CIRCUITS FOR OPTICAL COMPUTING AND INTERCONNECTION APPLICATIONS UNIV OF SOUTHERN CALIFORNIA	FORREST STEPHEN	N 36 04/03/88 \$488,639	6 FILES 88-NE-123		
NEUROPHYSIOLOGY AND SIMULATION OF NEURAL NETS FOR INVARIANT OBJECT RECOGNITION UNIV OF SOUTHERN CALIFORNIA	GAUDIT JEAN-LUC	N 36 07/03/88 \$400,000	4 FILES 88-NE-124	\$200,000 01/07/88 \$600,000	
DEVELOPMENT OF MULTIPLEXED MULTEGRAM MODELS DESCRIBING OPTICAL INTERCONNECT AND MEMORY SYSTEMS UNIV OF ARIZONA	KOSTUK RAYMOND	N 36 09/03/88 \$258,427	6 FILES 88-NE-125		
AN OPTOELECTRONIC REALIZATION OF NEURAL NETWORK MODELS CALIFORNIA INSTITUTE OF TECHNOLOGY	YARIV ANN	N 12 30/03/88 \$296,307	6 FILES 88-NE-131		
IEEE CONFERENCE ON NEURAL INFORMATION PROCESSING SYSTEMS JOHNS HOPKINS UNIVERSITY	STYNCHWSKI TERRENCE	N 05 30/03/88 \$5,000	5 FILES 88-NE-133		
DEFECT REDUCTION IN EDITATIONAL SPACESHIFT USING SUPERLATTICE BUFFER LAYERS NORTH CAROLINA STATE UNIVERSITY	REGAIR SALAH	R 30 04/01/88 \$412,000	4 FILES MALLORY 88-NE-035	\$131,000 01/04/88 \$412,000	
LIMITATIONS OF THE TRANSMISSION IN FABRICATION LASER RADIATION THROUGH CONFINED MATTER UNIV OF CALIFORNIA	FARN	N 36 04/01/88 \$544,979	MALLORY 88-NE-037		
IMPLEMENTATION OF KPN CELLS AS ACTIVE LAYER ISOLATOR		N 36			

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/QUANTITIES RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TCT AMT
NUCLEAR NUCLEATION HETEROSEMITAXY IN NON-LATTICE-MATCHING SYSTEMS MASSACHUSETTS INSTITUTE OF TECHNOLOGY	ELWELL CARL	DENNIS DENNIS 04/01/98 \$532,394	R 18 04/01/98 \$136,000 MALLORY 88-NE-039	\$136,000 01/04/98 \$135,908
MECHANICAL PROPERTIES OF SEMICONDUCTORS AND THEIR ALLOYS SRI INTERNATIONAL	SHER	ARDEN	R 36 29/01/98 \$573,931	MALLORY 88-NE-049
NUCLESE OF (CH3)2(CH2)5(X)-SC(=O)(1-X) QUANTUM WELL LASERS INSTITUTE OF AERONAUTICAL ENGINEERING AND DEVELOPMENT	SMITH, LT COL, USAF LAREL	N 36 29/01/98 \$294,142	MALLORY 88-NE-051	
HETEROCENTRE HETEROSTRUCTURE ELECTROOPTICS CORPORATION	CHAN	WILLIAM	N 06 11/02/98 \$57,721	MALLORY 88-NE-034
PROCESS MODELING OF MOLECULAR GROWTH TECHNIQUE VIA NUMERICAL SIMULATION-APPLICATION TO GaAs, AlGaAs AND InGaAs SCIENTIFIC RESEARCH ASSOCIATES, INC.	MEYYAPPAN	N	N 36 11/02/98 \$51,517	MALLORY 88-NE-034
GaAs SPREADING RESISTANCE MEASUREMENT INSTRUMENT EQUI 3DIMENSIONAL, INC	CHEN	JAMES	N 05 11/02/98 \$50,000	MALLORY 88-NE-095
ANALYSIS OF GROWTH-INDUCED INTERFACE ROUGHNESS EFFECTS IN HETEROSTRUCTURES DEVICES MICROTRONICS ASSOCIATES, INC.	COON	DARRYL	N 06 11/02/98 \$50,000	MALLORY 88-NE-096
MULTI-HETEROSTRUCTURES BY ENERGY ZONE IMPLANTATION DPIRE CORPORATION	NAMAVAR	FEREYDOON	N 06 11/02/98 \$53,357	MALLORY 88-NE-037
NUCLE CARLO SIMULATION OF HOMOPOLYTAXIAL AND HETEROPIRATAXIAL THIN FILM GROWTH DYNAMICS INSTITUTE OF RESEARCH INC	STINN SPRINGS	CHARLES	N 05 11/02/98 \$43,327	MALLORY 88-NE-098
LOW TEMPERATURE OPTICAL CONSTANTS OF SOVIET ELECTRONIC MATERIALS			N 06	

REPORT DATE 24/05/92

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 DIRECTORATE OF SCIENTIFIC RESEARCH  
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TITLE	INVESTIGATOR	TYPE/MONTHS RECEIVED	STATUS	INITIATE
TITLE (CONT.)		AMOUNT	PROGRAM MANAGER	START DATE
INVESTIGATOR			PROPOSAL #	TCT Amt
J. A. MULLAN COMPANY	MULLAN JOHN	11/02/83 \$50,000	MALLORY	88-NE-039
ELECTROSTATIC POLARIZATION EFFECTS FROM HETEROJUNCTION STRUCTURES	MULLAN JOHN	N 06 11/02/88 \$50,000	MALLORY	88-NE-030
J. A. MULLAN COMPANY	MULLAN JOHN	N 06 11/02/88 \$49,908	MALLORY	88-NE-031
SURFACE STUDIES OF METAL-METAL/SEMICONDUCTOR STRUCTURES	MURTHY C	N 06 11/02/88 \$49,908	MALLORY	88-NE-032
CHEMICAL ANALYSIS CORPORATION	MURTHY C	R 24 11/02/88 \$49,375	MALLORY	88-NE-033
HETEROSPIRAXY	CHANDRAN RAVI	N 06 11/02/88 \$49,375	MALLORY	88-NE-034
CVU EQUIPMENT CORPORATION	CHANDRAN RAVI	R 24 11/02/88 \$497,892	MALLORY	88-NE-035
THERMOCHEMISTRY OF HYDRIDES, DECOMPOSITION AND RELATIONSHIP TO PROPERTIES OF PECVD DIAMOND FILMS	CRYSTALLUME K	N 06 11/02/88 \$57,120	MALLORY	88-NE-036
SELECTIVE-AREA EPITAXY ON GALLIUM ARSENIDE ON SILICON	SPIRE CORPORATION HAVEN VICTOR	N 06 11/02/88 \$67,544	MALLORY	88-NE-037
ELECTRICALLY CONDUCTING GRAPHITIC CARBON ULTRASTRUCTURES EMBEDDED IN DIAMOND SUBSTRATES	DIALEONIC MATERIAL INSTITUTE, INC. KOGA RICHARD	N 06 17/02/88 \$50,000	MALLORY	88-NE-038
DESIGN OF A SUPERMICROVOLTRONIC SEVERAL MEV SCANNING ION MICROPROBE FOR THREE-DIMENSIONAL MATERIAL CHARACTERIZATION	QUASARICS INC. BAKER GARY	N 06 17/02/88 \$49,596	MALLORY	88-NE-039
INSTRUMENT FOR NANOMETER LITHOGRAPHY BASED ON SCANNING TUNNELING MICROSCOPY	QUASARICS INC. PAUL WEST	N 06 17/02/88 \$49,596	MALLORY	88-NE-040
INTERNATIONAL CONFERENCE ON HARSH GAP MATERIALS	DAVID STELLEK	N 12 24/02/93 \$7,000	MALLORY	88-NE-115
NORTH TEXAS STATE UNIVERSITY				
OPTICAL PROPERTIES OF THIN FILMS				24

REPORT DATE 04/25/83

PROPOSAL STATUS REPORT ( 1 JAN 83 - 31 MAR 83 )  
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TITLE	TYPE/MONTHS	STATUS	INITIATE
TITLE (CONT'D)	RECEIVED	PROGRAM MANAGER	START DATE
INSTITUTION	AMOUNT	PROPOSAL #	TOT AMT
PENNSYLVANIA STATE UNIVERSITY			
THE THERMODYNAMICS, KINETICS, & INTERFACE MORPHOLOGY FORMATION REACTIONS AT METALLUMINUM PHOSPHIDE INTERFACES: BULK VS THIN-CHANG	K N \$203,193	MALLOY 39-NE-113	
NORTH TEXAS STATE UNIVERSITY			
DEVELOP AND ACCELERATOR MASS SPECTROMETRY FACILITY FOR TRACE IMPURITY CHARACTERIZATION IN ELECTRONIC MATERIALS	Y N \$1,489,878	MALLOY 39-NE-120	
ST. INTERNATIONAL CONFERENCE ON HOT CARRIERS IN SEMICONDUCTORS			
ARIZONA STATE UNIVERSITY			
THE PHYSICS AND DYNAMICS OF SURFACE SWITTING LASER DIODES	FERRY DAVID S \$25,000	MALLOY 39-NE-121	
LOCKHEED MISSILES - SPACE CO INC	WANG		
MODULATION SPECTROSCOPY CHARACTERIZATION OF SEMICONDUCTOR MESOSTRUCTURES	POLLAK FRED	MALLOY 39-NE-122	\$50,000 01/05/88 \$450,000
DETROIT COLLEGE OF CUNY			
DETROIT PATTERNING AND DEFORMATION BANDS			
MICHIGAN TECHNOLOGICAL UNIVERSITY			
INDUSTRIAL QUALITY INC	AIFANTIS JONES THOMAS	MALLOY 39-NE-127	
ULTRASONIC INSTRUMENTATION TO CONTROL CERAMIC PROCESSING	JONES JOSEPH	MALLOY 39-NE-057	
DIA COMPOSITE SPECIALTIES, INC.			
DEVELOPMENT AND RESPONSE MODELING OF 3-D REINFORCED HYBRID WMC		Rosenstein 38-NE-056	
INTELLIGENT SYSTEMS INTEGRATION INC.	KOSS TIMOTHY	Rosenstein 38-NE-059	
RESEARCH INSTRUMENTATION			

TITLE TITLE (CONT.) INVESTIGATION	INVESTIGATOR	TYPE / MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AWT
REFINED RESEARCH	CHODCHURY	3	05/02/93 \$50,000	ROSENSTEIN 93-NE-051
HIGH SYMMETRY COMPOSITES FABRICATED FROM RANDOM VGF/C AND THERMOPLASTICS	KRITO	N 05/02/96 \$92,421	ROSENSTEIN 93-NE-052	
DEVELOPMENT OF A NEW ACRYLICUM/GRAPHITE-EPOXY SANDWICH COMPOSITE	SUN	N 05/02/96 \$49,230	ROSENSTEIN 88-NE-053	
HIGH SYMMETRY STRUCTURAL COMPOSITES: ANALYTICAL DESIGN TOOL	C	N 05/02/96 \$50,000	ROSENSTEIN 88-NE-054	
CONCEPT ANALYSIS CORPORATION	BLANCE	PABL		
HIGH SYMMETRY RANDOM AGGREGATE MICROLAMINATE (RAM) STRUCTURAL COMPOSITES	DESHPANDEY	CHANDRA	N 05/02/96 \$45,275	ROSENSTEIN 88-NE-055
HIGHLY ORIENTED FIBER REINFORCED CERAMIC COMPOSITES	HOCE	JAMES	N 05/02/96 \$50,000	ROSENSTEIN 88-NE-056
CERAMICS PROCESS SYSTEMS				
TETRAHEDRAL FRAMES FOR STRUCTURES AND COMPOSITES	HLT	ALBERT	N 23/02/96 \$50,000	ROSENSTEIN 88-NE-107
SEA JAG INDUSTRIES				
GRAIN BOUNDARY SOLUTE-ACACIA INTERACTIONS IN INTERGRANULAR HYDROGEN EMBRITTLEMENT	MELCH		N 23/02/96 \$530,599	ROSENSTEIN 88-NE-112
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	LATANISIAN	R		
SURFACE-MODIFIED TITANIUM-AlUMINIDE ALLOYS				
CASE WESTERN RESERVE UNIVERSITY	GERHARD		N 24/02/96 \$633,319	ROSENSTEIN 88-NE-113
TRANSFORMATION PROBLEMS IN CERMETS				
SUCKELL INSTITUTION	MARSHALL	DAVID	R 09/03/96 \$593,995	ROSENSTEIN 88-NE-126
POLE STRUCTURE AND PERMEABILITY OF CEMENTITIOUS MATERIALS			N 12	

REPORT DATE Jan/17/83

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 DIRECTORATE OF ELECTRONIC AND MATERIAL SCIENCES

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TDT AFT	
				TITLE INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT
MATERIALS RESEARCH SOCIETY	SKALNY	JAN \$5,000	ROSENSTEIN 83-NE-129		
STRENGTHENING MECHANISMS, CREEP AND FATIGUE PROCESSES IN DISPERSED-STRUCTURE ALUMINUM ALLOYS	MUKHERJEE	N 28/03/88 \$540,000	ROSENSTEIN 88-NE-130		
A FUNDAMENTAL UNDERSTANDING OF THE EFFECT OF ALLOYING ELEMENTS ON THE CORROSION RESISTANCE OF RAPIDLY SOLIDIFYING ALLOYS	JOHNS HOPKINS UNIVERSITY KRUGER	R 30/03/88 \$30,000	ROSENSTEIN 88-NE-132		
SUPERCONDUCTIVE ELECTRONICS - ASI		N 06 \$10,000	WEINSTOCK 88-NE-057		\$10,000
NATIONAL SCIENCE FOUNDATION	FURUYAMA	MICHAEL 05/02/88 \$10,000	WEINSTOCK 88-NE-057		15/03/88 \$10,000
ONE ANGSTRÖM RESOLUTION POSITIONING SYSTEM FOR MATERIAL AND PROCESS DIAGNOSTIC APPLICATIONS	HOCKNEY	RICHARD 05/02/88 \$59,956	WEINSTOCK 88-NE-058		
PULSED INTERFEROMETER FOR ACOUSTIC ATTENUATION AND VELOCITY MEASUREMENTS	PETERSON	GARY 05/02/83 \$52,400	WEINSTOCK 88-NE-059		
NOVEL NODE METHOD FOR ON-LINE MICROSTRUCTURAL QUALITY CONTROL OF HIGH PERFORMANCE FIBERS	ROSENMEIER	RONALD 03/02/88 \$50,136	WEINSTOCK 88-NE-070		
AL-OPTICAL MAGNETOMETER EMPLOYING DILUTED MAGNETIC INSULATOR (COM) FOR X-RAY IMAGING SYSTEMS	NIIJURA	MASANOBU 08/02/88 \$42,325	WEINSTOCK 88-NE-071		
NEW SOLID-STATE IMAGING MEDIA FOR RAPID RADIOGRAPHIC INSPECTION	STETTI	GEORGE 08/02/88 \$49,395	WEINSTOCK 88-NE-072		
RESEARCH INSTRUMENTATION - X-RAY COMPUTED TOMOGRAPHY	SHARER	JOHN 08/02/88 \$50,000	WEINSTOCK 88-NE-073		
SUPERCONDUCTIVE DEVICES FOR NONDESTRUCTIVE TESTING		N 36			

REPORT DATE 04/02/88

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AWARDED	STATUS DRAFTED PROPOSAL #	INITIATE START DATE END DATE
PHYSICAL DYNAMIC INC	PUDNEY WALTER	03/02/88 \$52,976	WEINSTOCK 88-NE-074	
A CONTACT METHOD FOR ACCURATELY MEASURING CRITICAL TEMPERATURES TO, IN SUPERCONDUCTING MATERIALS: INSTRUMENT PROTOTYPE	SIMO CONSTANCE	N 35 11/02/88 \$50,000	WEINSTOCK 88-NE-038	
ATOMIC FORCE MICROSCOPE FOR SURFACE AND INTERFACE ANALYSIS	MARK	N 36 11/02/88 \$59,351	WEINSTOCK 88-NE-099	
INDUSTRIAL DETECTION TECHNOLOGY CORP.	LWENSTINE			
MACROSCOPIC QUANTUM ELECTRONICS	MARTINIS JOHN	N 36 17/02/88 \$49,000	WEINSTOCK 88-NE-100	
NATIONAL INSTITUTE OF STANDARDS	MARTINIS			
12M TCO SUPERCONDUCTING FILMS ON SILICON SUBSTRATES	JAMES CLINTON	N 36 17/02/88 \$59,750	WEINSTOCK 88-NE-101	
ENERGY SCIENCE LABORATORIES, INC.	KIM			
ASSESSMENT OF JAPANESE R&D ACTIVITIES IN HIGH TEMPERATURE OXIDE SUPERCONDUCTORS ADVANCED MATERIALS TECHNOLOGY	Y	N 34 18/02/89 \$15,000	A WEINSTOCK 88-NE-106	\$15,000 01/06/88 \$15,000
DEVELOPMENT OF SUPERCONDUCTOR POLYMER COMPOSITES ELECTRO-KINETIC SYSTEMS, INC.	BURTON LEDERMAN	N 36 23/02/88 \$49,350	WEINSTOCK 88-NE-109	
4 STUDY OF THE PHASE DIAGRAMS OF GAS MIXTURES FOR DOUBLE-THREEWAVE STANFORD UNIVERSITY	LITTLE WILLIAM	N 36 23/02/83 \$210,000	O WEINSTOCK 88-NE-110	
THEORY OF SUPERCONDUCTIVITY IN OXIDES PRINCETON UNIVERSITY	PHILLIPS ANDERSON	R 24 24/02/88 \$200,000	A WEINSTOCK 88-NE-114	\$100,000 01/07/88 \$200,000
TERMOCHEMICAL CHARACTERIZATION OF THE QUARTERJARY GOK CHI SUPERCONDUCTORS UNIV OF WISCONSIN	CHANG JUSTIN	N 36 31/03/83 \$454,390	O WEINSTOCK 88-NE-135	
STRUCTURE OF LADDS IN HIGH RESISTIVITY FLAT BAND METAL		N 36	A	

PROPOSAL STATUS REPORT ( 1 JAN 93 - 31 MAR 93 )  
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 DIRECTORATE OF ELECTRONIC AND MATERIAL SCIENCES

TITLE TITLE (CONT.) SYNTHESIS	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE T/T AMT
SUSPENDED FOR HIGH FREQUENCY DEVICES WESTINGHOUSE ELECTRIC CORPORATION	MESSHAM R.	27/01/89 \$600,378	WITT 38-NE-047	
DEVICE FOR RECURRING AND DIGITIZING HIGH FIDELITY FILM IMAGES SILHOUETTE TECHNOLOGY, INC	DYER EUGENE	08/02/88 \$49,976	WITT 88-NE-075	
INSTANTANEOUS AND INTEGRATING POWER MEASURING OSCILLOSCOPE INTERFACE	LEFFERSON PETER	09/02/88 \$47,435	WITT 88-NE-076	
DETECTION AND IMAGING OF SUBSURFACE EFFECTS ON SILICON INTEGRATED CIRCUIT WAFERS WITH A NONDESTRUCTIVE, REAL-TIME THERMAL WAVE TECH TH-RAIL-WAVE, INC	W.	N 06 08/02/88 \$50,000	WITT 88-NE-077	
VARIABLE ANGLE SPECTROSCOPIC FULIPSMETRY (VASED) FOR NONDESTRUCTIVE SEMICONDUCTOR SURFACE ANALYSIS J. A. MCCLAM COMPANY	MCCLAM JOHN	N 06 09/02/88 \$50,000	WITT 88-NE-078	
MICROSTRUCTURAL CHARACTERIZATION OF HIGH-LATTICE MATCHED HETEROCRYSSTALLINE STRUCTURES ENTERPRISE CORP. OF AMERICA	ROSENBLER RONALD	N 06 08/02/88 \$50,136	WITT 88-NE-079	
EVALUATION OF HETEROJUNCTION INTERFACES USING ELECTRON BEAM ELECTROREFLECTION CHARLES EVANS & ASSOC.	HERMAN MICHAEL	N 06 08/02/88 \$49,609	WITT 88-NE-080	
NUMERICAL MODELING OF TWO-TERMINAL QUANTUM WELL DEVICES SCIENTIFIC RECH ASSOCIATES INC	GRIFFIN HAROLD	N 06 09/02/88 \$56,197	WITT A 15/07/88 \$56,197	
NEW HIGH-EFFICIENCY SCINTILLATOR DEVICE FOR SEMIS QUINTEX CORPORATION	STOPI GEORGE	N 06 09/02/88 \$49,925	WITT 88-NE-092	
A TWO-TERMINAL MICROWAVE NETWORK ANALYZER METRI WAVE INC.	ATLZAINS WYMAN	N 06 11/02/88 \$49,725	WITT 88-NE-094	
RESEARCH INSTRUMENTATION		N 15		

REPORT DATE 04/25/85

PROPOSAL STATUS REPORT ( 1 JAN 88 - 31 MAR 88 )  
AIAA ENRICHED SERVICE SCIENTIFIC RESEARCH  
CORPORATION OF ELECTRONIC AND MATERIAL SCIENCES

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TITLE TITLE (CONT.) INSTITUTION

MILLIMETER WAVE TECHNOLOGY, INC.

INVESTIGATOR

FOPSYTHE RONALD

TYPE/MONTHS RECEIVED AMOUNT

PROGRAM MANAGER PROPOSAL \*

INITIATE START DATE TOT AMT

RESEARCH INSTRUMENTATION FOR NONDESTRUCTIVE EVALUATION OF  
SEMICONDUCTOR MATERIALS  
UNISIST INC.

JOSEPH THOMPSON

N 11/02/88 \$51,000

WITT 88-NE-037

DESIGN, FABRICATION, AND TESTING OF MILLIMETER POWER TRANSISTOR  
MUNSCAN, INC.

WANG CHENG

N 17/02/88 \$57,593

WITT 88-NE-112

SUPERMILLIMETER WAVE SPECTROSCOPY OF HETEROJUNCTION SUPERLATTICES  
PRINCETON UNIVERSITY

TSUI D.

N 31/03/89 \$402,285

A 3129-374

WITTMANN 15/07/88

\$576,935

A NEW APPROACH TO DESIGN OF ELECTRONIC WAVEGUIDE MULTIPLEXERS  
JUIN CHEN

WAI-KAI

N 17/03/88 \$159,004

WITTMANN 38-NE-128

REPORT DATE 24/03/92

PROPOSAL STATUS REPORT ( 1 JAN 89 - 31 MAR 92 )  
222 EAGLE OFFICE # SCIENTIFIC RESEARCH  
DIRECTORATE OF LIFE SCIENCES

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
PRINCIPLES OF CORTICAL FUNCTION UNIV OF CALIFORNIA	SHAH	N 2000 \$3,523	23/01/92 BERRY 89-NL-054	
NEUROPHYSICAL AND BIOCHEMICAL MECHANISMS IN SYNAPTIC TRANSMITTER RELEASE NEW YORK UNIVERSITY MEDICAL CENTER UNIV OF CALIFORNIA	LLINAS RODOLFO	R 23/01/92 \$352,608	BERRY 89-NL-055	\$105,736 01/05/88 \$214,507
NEUROMECHANICAL MECHANISMS CONTROLLING BIOPRERACTIVITY OF ADRENAL CORTICOSPINAL CELLS ARTERIAL PRESSURE SCIENTIFIC MEDICAL MANUFACTURING, LTD.	VULLEST PHILIP	N 17/02/92 \$214,607	A BERRY 89-NL-055	
ACAT BY SEAT, NONINVASIVE AND VASCULAR CONCLUSIVE MEASUREMENT OF MEAN ARTERIAL PRESSURE	SPRAWAK	N 17/02/92 \$43,772	D BERRY 89-NL-070	
MECHANISMS OF SYNAPTIC MODIFICATION IN ORGANOTYPIC CULTURES OF CORTICAL NEURAL NETWORKS DARWIN UNIVERSITY	EANNER FORD	N 26/02/88 \$437,336	BERRY 88-NL-074	
MULTIELECTRODE SIGNAL PROCESSING NEUTRON TECHNOLOGIES, INC.	SELLIER MITCHELL	N 17/03/89 \$67,008	BERRY 89-NL-121	
RESEARCH IN NEUROSCIENCE: DEVELOPMENT OF A CNS INDICANT OF NEURO- BIOLOGICAL FUNCTIONAL STATUS RELATED TO AGENTS, TREATMENT, & DISEASE ESSEX CORPORATION	KENNEDY ROBERT	N 17/03/92 \$50,536	BERRY 89-NL-128	
NONLINEAR SIGNAL EXTRACTION PROCEDURES FOR FUNDAMENTAL NEURAL SCIENCE RESEARCH BUSINESS & TECHNOLOGICAL SYSTEMS, INC.	LARZMORE WALLACE	N 17/03/89 \$51,936	BERRY 89-NL-132	
MOLECULAR ASPECTS OF COMPENSATORY NEUROPLASTICITY IN STRESS NEW JERSEY INSTITUTE OF TECHNOLOGY	SELAQ GAD	N 24/03/88 \$777,936	BERRY 89-NL-155	
THE BACK PROPAGATION TECHNIQUE FOR MODELING CRITICAL COMPUTATION UNIV OF CALIFORNIA	ZHENG DAVID	N 25/02/93 \$442,114	BERRY 89-NL-159	

REPORT DATE 04/05/83

PROPOSAL STATUS REPORT ( 1 JAN 82 - 31 MAR 83 )

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TITLE  
TITLE (CONT'D.)  
INSTITUTION

INVESTIGATOR

TYPE/MONTHS  
RECEIVED  
AMOUNT  
PROJECT #MOLECULAR ECOLOGY OF BACTERIAL POPULATIONS IN ENVIRONMENTAL  
HAZARDOUS CHEMICAL CONTROL  
UNIV OF TENNESSEE

SAYLEO

STATUS  
PROGRAM MANAGER  
PROJCT #SLOW CYTOMETRIC ANALYSIS OF HEPATOCYTES FROM NORMAL, PEGJA, AND  
D/GENP-TREATED RATS  
TAMU STATE UNIVERSITY

TAPP

MELINDA

INITIATE  
START DATE  
TOT AMTSUPPORT FOR ANNUAL MEETING OF THE AMERICAN SOCIETY FOR  
MICROBIOLOGY: DIVISION E, IMMUNOLOGY SYMPOSIUM AND SEMINARS  
UNIV OF ALABAMA

TAPP

JERRY

TYPE/MONTHS  
RECEIVED  
AMOUNT  
PROJECT #WORKSHOP ON BEHAVIORAL ASPECTS OF NEUROTOXICITY: CRITICAL ISSUES  
NATIONAL ACADEMY OF SCIENCES

FLATTEAU

PAMELA

STATUS  
PROGRAM MANAGER  
PROJCT #FASEB CONFERENCE: TRICLOTHENE, BLUE-GREEN ALGAL AND MARINE  
TOXINS: MECHANISMS, DETECTION, AND THERAPY  
ED. BY AMERICAN SOC. FOR EXPMTL ZOOLOGY

KRAUSS

ROBERT

TYPE/MONTHS  
RECEIVED  
AMOUNT  
PROJECT #1ST INTERNATIONAL SYMPOSIUM ON AIR QUALITY IN CONFINED HABITATS  
IIT RESEARCH INSTITUTE

ONEILL

HUGH

INITIATE  
START DATE  
TOT AMTANAEROBIC MICROBIAL TRANSFORMATION OF AROMATIC HYDROCARBONS AND  
MIXTURES OF AROMATIC HYDROCARBONS AND HALOGENATED SOLVENTS  
STANFORD UNIVERSITY

JUNJA

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TYPE/MONTHS  
RECEIVED  
AMOUNT  
PROJECT #MOLECULAR PROPERTIES AND FATE OF ORGANIC CHEMICALS  
UNIV OF WISCONSIN

ANDREW

ANDERS

INITIATE  
START DATE  
TOT AMTDECOMPOSITION OF PCB'S BY CONSORTIA OF MICROORGANISMS  
UNIV OF WISCONSIN

HARRIS

ROBIN

TYPE/MONTHS  
RECEIVED  
AMOUNT  
PROJECT #

THE EFFECT OF HIKES AND SPICES ON THE FATE OF ENVIRONMENTAL

TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	INITIATE		STATUS PROGRAM MANAGER PROPOSAL #
		TYPE/MONTHS RECEIVED AMOUNT	START DATE TOT AMT	
NEUROTOXIC ACTIVITIES OF PYOETHAZID INSECTICIDES MEDICAL COLLEGE OF WISCONSIN	BURROWS GEORGE	14/03/88 \$220,823	CERVENY 89-NL-038	
DEGRADATION OF MIXTURES OF CHLORINATED AROMATIC COMPOUNDS PURDUE UNIVERSITY	CELLS ROSS	JANIS DEBRAH	14/03/88 \$245,434	CERVENY 88-NL-039
EFFECTS OF SLOW RELEASE OF HYDROCARBONS ON BIODEGRADATION AT FUEL SPILL SITES RICE UNIVERSITY	BERGENT	PHILIP	14/03/88 \$204,343	CERVENY 88-NL-039
ASSESSMENT OF THE BIOAVAILABILITY AND TOXICITY OF CHEMICALS IN FRESHWATER AND TERRESTRIAL ECOSYSTEMS NORTH EAST LOUISIANA UNIVERSITY	GENSON WILLIAM		N 36 14/03/88 \$454,193	CERVENY 89-NL-091
NEW MECHANISM OF CYANIDE ANTIDOTE AT SODIUM NITRITE TEXAS A AND M UNIVERSITY	WAY JAMES		N 50 14/03/98 \$193,098	CERVENY 89-NL-092
MECHANISMS OF HALOGENATED HYDROCARBON HEPATOTOXICITY WASHINGTON STATE UNIVERSITY	BULL RICHARD		N 36 15/03/88 \$361,010	CERVENY 88-NL-093
SIMULATED AQUATIC ECOSYSTEMS FOR PREDICTING CHEMICAL EFFECTS PENNSYLVANIA STATE UNIVERSITY	BRATT SIMS	JAMES RONALD	N 36 15/03/83 \$263,794	CERVENY 88-NL-094
ENVIRONMENTAL HAZARD OF PESTICIDE COMPLEX MIXTURES IN SOIL UTAH STATE UNIVERSITY	NEARLD SIMS		N 36 15/03/83 \$236,125	CERVENY 88-NL-095
TOXICANT TOLERANCE EXTRAPOLATION AMONG INTERACTING SPECIES UTAH STATE UNIVERSITY	JOHN		N 36 15/03/88 \$130,441	CERVENY 88-NL-097
ENVIRONMENTAL CONTAMINANT PROPERTY ESTIMATION SYSTEMS IN AI			N 26	

TITLE INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
EXPERIMENTAL SYSTEM UTAH STATE UNIVERSITY	DOUCETTE WILLIAM	15/03/88 \$295,234	CERVERY 38-NL-038	
ENVIRONMENTAL FATE AND EFFECTS OF CHLORINATED INSECTICIDES NEW MEXICO STATE UNIVERSITY	KLAINE STEPHEN	N 36 15/03/88 \$283,372	CERVERY 38-NL-039	
INHALANT (GLOUCHE) EFFECTS ON ALKALOIDS AND ION CHANNELS PURPLE RESEARCH FOUNDATION	MUREK JAMES	N 12 15/03/88 \$98,477	CERVERY 38-NL-100	
MECHANISMS BY WHICH CHEMICAL ACT AS CYTOTOXINS: USE OF VIVI AND CELL-LYSIS MODEL SYSTEMS UNIV OF WISCONSIN	BITTAR EDWARD	N 35 15/03/88 \$221,817	CERVERY 88-NL-101	
ATTENUATING ORGANIC CONTAMINANT MOBILITY USING ORGANO-CLAYS MICHIGAN STATE UNIVERSITY	BYRD STEPHEN	N 36 15/03/88 \$224,950	CERVERY 88-NL-102	
MAGNETIC EFFECTS OF COMPLEX MIXTURES ENVIRON SYSTEMS, INC.	SUGATT RICHARD	N 36 16/03/88 \$331,509	CERVERY 88-NL-103	
CONCENTRATION DEPENDENT BIOACCUMULATION THE ROLE OF NON STEADY STATE DYNAMICS MARSH BRANCH OCEANOGRAPHIC INST., INC.	LAUGHLIN, JR. ROY	N 36 16/03/88 \$408,568	CERVERY 88-NL-104	
EFFECTS OF SOLUTION COMPOSITION & SOFTION KINETICS ON FATE OF ORGANICS IN THE SUBSURFACE UTAH STATE UNIVERSITY	DUPONT ROBERT	N 36 16/03/88 \$300,000	CERVERY 88-NL-105	
BIOAVAILABILITY OF VOLATILE ORGANICS AND OTHER HYDROCARBONS FROM ENVIRONMENTAL MEDIA: INVESTIGATION IN DRINKING WATER GEORGIA UNIV RESEARCH FOUNDATION INC	BRUCKNER JAMES	N 36 16/03/88 \$305,735	CERVERY 88-NL-106	
EFFECTS OF COMETAPOLIZED CHLORINATED HYDROCARBON SOLVENTS IN BIODEGRADATION OF SUBSURFACE MATERIALS UNIV OF TENNESSEE	WHITE DAVID	N 36 16/03/93 \$291,000	CERVERY 38-NL-107	
USE OF HUMAN & RAT HEPATOCYTE CULTURES FOR ASSESSING THE METABOLIC		N 36		

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH  
DIRECTORATE OF LIFE SCIENCES

TITLE (CONT.)	INVESTIGATOR	TYPE/MONTHS RECEIVED	STATUS	INITIATE
INSTITUTION		AMOUNT	PROGRAM MANAGER	START DATE
ACTIVATION OF CHEMICALS IN CARCINOGENESIS & TERATOGENESIS ASSAYS PURDUE UNIVERSITY	DAVID MONTEITH	16/03/88 \$139,615	CERVERNY 93-NL-103	17J ANT
ECOLOGICAL CONSTRAINTS AFFECTING MICROORGANISMS DESIGNED TO DEGRADE ORGANIC CHEMICALS IN THE ENVIRONMENT CORNELL UNIVERSITY	MARTIN	N 36 16/03/89 \$171,774	CERVERNY 83-NL-109	
PHthalate-induced adaptive and toxic responses: in vivo and in vitro studies in the bat UNIV OF MISSOURI	YOSTAFA	N 36 16/03/89 \$293,040	CERVERNY 83-NL-110	
Spatial and temporal variability in...toxicity and chemical com- position of pollutants... UNIV OF ILLINOIS	SCHAFFER	N 36 16/03/89 \$272,509	CERVERNY 93-NL-111	
EFFECTS OF SORPTION AND DESORPTION ON THE MICROBIAL TRANSFORMATION OF ENVIRONMENTALLY RELEVANT AIR POLLUTANTS UNIV OF NORTH CAROLINA	FREDERIC	N 36 16/03/88 \$295,779	CERVERNY 93-NL-112	
BEHAVIOR AND FATE OF CHEMICALS IN SOILS AND GROUNDWATER FLORIDA INTERNATIONAL UNIVERSITY	PARSONS	N 36 15/03/88 \$298,659	CERVERNY 93-NL-113	
DESORPTION OF HALOGENATED ORGANIC CHEMICALS FROM ADSORBENT SOILS FOR SOIL AND WATER DECONTAMINATION FLORIDA INTERNATIONAL UNIVERSITY	FRANCES	N 26 16/03/88 \$298,587	CERVERNY 93-NL-114	
DEHALOGENATION OF HALOCLIPHATIC COMPOUNDS BY REDUCED SULFUR SPECIES STANFORD UNIVERSITY	REINHARD	N 36 17/03/88 \$299,777	CERVERNY 93-NL-115	
REDUCTIVE DEHALOGENATION OF HALOCLIPHATIC HYDROCARBON COMPOUNDS IN MOBILE SOURCE SYSTEMS STANFORD UNIVERSITY	MARTIN	N 36 17/03/88 \$299,777	CERVERNY 83-NL-116	
THE DEVELOPMENT & APPLICATION OF SUPPORT COLUMNS METHODS FOR MEASUR- ING REACTION RATES IN PROGRESS MEDIA CLARKSON UNIVERSITY	THOMAS	N 36 17/03/88 \$306,936	CERVERNY 83-NL-117	
PREDICTION OF CARCINOGENIC POTENCY		N 36		

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PROPOSAL STATUS REPORT ( 1 JAN 89 - 31 MAR 89 )

AIR FORCE SCIENCE OFFICE OF SCIENTIFIC RESEARCH  
DIRECTORATE OF LIFE SCIENCES

TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
UNIV OF ILLINOIS  INVESTIGATION OF A METHOD TO ENHANCE DEGRADATION OF JP-4 FUEL IN SOILS WESTERN RESEARCH INSTITUTE	ALH JUHA	17/03/98 \$244,744	CERVERY CERVERY	17/03/98 \$88-NL-119
EVALUATION OF THE EFFECTIVITY OF THE STRESS PROTEIN RESPONSE AS A BIOMOLECULAR WATER QUALITY MONITORING METHOD NORTH TEXAS STATE UNIVERSITY	NORDIN DICKSON KENNETH	17/03/88 \$295,658	CERVERY CERVERY	17/03/88 \$88-NL-120
AN AMPEROMETRIC, SENSORS DETECTOR UNIVERSAL SENSORS, INC.	LUBBANG GLENN	17/03/88 \$50,000	CERVERY CERVERY	17/03/88 \$88-NL-122
SOLID-STATE X-RAY IMAGE SCANNER FOR MEASURING BONE MINERAL DENSITY E ASSESSING SKELETAL HEALTH PERS. IDENT. & ENTRY ACCESS CTR, INC.	COLBERT CHARLES	17/03/88 \$51,747	CERVERY CERVERY	17/03/88 \$88-NL-123
QUANTITATIVE RISK ESTIMATION IN PRODUCTIVE AND DEVELOPMENTAL TOXICOLOGY NATIONAL CTR FOR TOXICOLOGICAL RESEARCH	CHEN JAMES	18/03/88 \$111,739	CERVERY CERVERY	18/03/88 \$88-NL-141
EFFECTS OF POPULATION HETEROGENEITY ON CANCER RISK ESTIMATES NATIONAL CTR FOR TOXICOLOGICAL RESEARCH	GAYLOR DAVID	19/03/88 \$81,030	CERVERY CERVERY	19/03/88 \$88-NL-142
INTERSPECIES EXTRAPOLATION OF CARCINOGENIC RISK NATIONAL CTR FOR TOXICOLOGICAL RESEARCH	KOELL RALPH	19/03/88 \$83,731	CERVERY CERVERY	19/03/88 \$88-NL-143
BEHAVIOR OF VACUOS AND PARTICULATE MATERIAL IN THE LOWER ATMOSPHERE ARIZONA NATIONAL LABORATORY	WESELY MARVIN	19/03/88 \$307,637	CERVERY CERVERY	19/03/88 \$88-NL-144
EFFECTIVITY OF EXTRACELLULAR HYPOGLASE AND EXOGENEASE ENZYMES FOR METABOLISM OF AROMATIC COMPOUNDS ARIZONA NATIONAL LABORATORY	COLEMAN ROBERT	19/03/88 \$323,803	CERVERY CERVERY	19/03/88 \$88-NL-145
IN VITRO SYSTEM FOR STUDYING METABOLISM OF ENVIRONMENTAL CHEMICALS		N	35	

TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TODAY
IN HUMAN CELLS SRI INTERNATIONAL	GREEN	CAROL	13/03/88 \$466,195	CERVERNY 88-NL-146
THE MECHANISMS & EFFECTS OF THE PLANT ACTIVATION OF CHEMICALS IN THE ENVIRONMENT UNIV OF ILLINOIS	PLÉWA	MICHAEL	19/03/88 \$278,331	CERVERNY 88-NL-147
PULMONARY EPITHELIAL SURFACE INTERACTIONS OF INHALED CONTAMINANTS UNIVERSITY OF TEXAS	POSTLETHWAIT	EDWARD	N 35 19/03/88 \$282,597	CERVERNY 88-NL-148
AQUATIC ANIMALS AS SENTINELS FOR REDOX-ACTIVE SUBSTANCES DUKE UNIVERSITY	DIGIULIO	RICHARD	N 36 19/03/88 \$220,862	CERVERNY 88-NL-149
A MODEL FOR ASSESSING PRACTITIONAL TOXICITY OF COMPLEX MIXTURE CONSTITUENTS IN SALINE DISCHARGES UNIV OF WYOMING	BERGMAN	HAROLD	N 36 19/03/88 \$222,480	CERVERNY 88-NL-150
FATE AND EFFECTS OF CHEMICALS IN THE ENVIRONMENT UNIV OF CALIFORNIA	ATKINS	ROGER	N 36 19/03/88 \$353,346	CERVERNY 88-NL-151
DECOMPOSITION OF CHLORINATED SOLVENTS IN GROUNDWATER UTAH STATE UNIVERSITY	SORENSEN	DARWIN	N 36 19/03/88 \$300,000	CERVERNY 88-NL-152
THE KEY INVOLVEMENT OF POLY (ADIP-RIBOSYLIC) IN DEFENSE AGAINST TOXIC AGENTS: MOLECULAR PHYSIOLOGY STUDIES GEORGIA UNIVERSITY	SMULSON	MARK	N 36 21/03/88 \$315,178	CERVERNY 88-NL-153
RISK ASSESSMENT IN REPRODUCTIVE AND DEVELOPMENTAL TOXICOLOGY NATIONAL CTR FOR TOXICOLOGICAL RESEARCH	MATTISON	DONALD	N 36 21/03/88 \$1,708,352	CERVERNY 88-NL-154
FATE, INTERACTIONS, AND EFFECTS OF MODEL CHEMICAL MIXTURES UNIV OF SOUTH CAROLINA	ESSWALD	EDWARD	N 48 21/03/89 \$795,327	CERVERNY 88-NL-155
EVIDENCE BASED ON ENGINEERED MICROBES IN SOIL			N 36	

TITLE TITLE (CONT.) INSTITUTE	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROJECT #	INITIATE START DATE TOT AMT
GRADSTAT UNIVERSITY	ROY	DEPAK	21/03/88 \$271,434	CERVERY 89-NL-156
RISK ASSESSMENT USES POLLUTANT TRANSPORT MODELING AND INTERSPECIES EXTRAPOLATION	RECKHOW	KENNETH	21/03/88 \$253,826	N 36 CERVERY 89-NL-157
CUTANEOUS ABSORPTION AND REACTION TO CONTACT SENSITIZERS	THORNE	PETER	21/03/88 \$262,345	N 36 CERVERY 89-NL-158
ROLE OF FREE RADICAL SPECIES OF OXYGEN IN THE TOXICITY OF CHEMICALS USED IN AIR FORCE OPERATIONS AND METHODS OF INTERVENTION	UNIV OF MARYLAND	CYRIL	21/03/88 \$328,089	N 36 CERVERY 89-NL-159
EXENDIATIC KINETICS AND TOXICITY AMONG FISH AND MAMMALS	WATSON	WILLIAM	21/03/88 \$283,296	N 36 CERVERY 89-NL-160
INFLUENCE OF LIPID COMPOSITION IN AMPLIFYING OR AMELIORATING TOXICANT EFFECTS IN PHYTOPLANKTON	UNIV OF MICHIGAN	GODA	21/03/88 \$223,169	N 36 CERVERY 89-NL-161
THE LIGHT INDUCED TOXICITY OF COMPLEX PETROLEUM MIXTURES	UNIV OF ILLINOIS	SCHAFFER	21/03/88 \$298,156	N 36 CERVERY 89-NL-162
MENDELSON IS A MONITOR TO DETECT EXPOSURE TO HAZARDOUS CHEMICALS	DAK RIDGE NATIONAL LAB	SHUGART	21/03/88 \$256,030	N 36 CERVERY 89-NL-163
A COMMUNITY LEVEL APPROACH TO BIOLICAL DEGRADATION OF PREDICATED CONTAMINANTS BY AQUATIC INVERTEBRATES	SYRACUSE RESEARCH CORPORATION	FRANCIS	21/03/88 \$299,953	N 36 CERVERY 89-NL-164
MOLECULAR TOXICOLOGY & CHEMISTRY	SAN FRANCISCO STATE UNIVERSITY	ERNEST	25/03/88 \$3,317,658	N 50 CERVERY 89-NL-170
STRUCTURE ACTIVITY OF ORGANIC CHEMICALS IN ECONOMATE				N 36

TITLE TITLE (CONT'D.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
AEROMARINE STATE UNIVERSITY AEROSPACE ASSESSMENT OF CHEMICALS & THEIR WILDFIRES IN THE ENVIRONMENT BY USING... UNIV OF ILLINOIS	KENYER	SALEN 23/03/92 \$265,779	CERVERY 39-NL-171	
ENDOCRINE DISORDERS & MULTIPLE CARCINOGENIC EXPOSURES SRI INTERNATIONAL	TYSON	MUNCHEN 29/03/93 \$222,509	CERVERY 68-NL-172	
ENDOCRINE TRANSPORT AND FATE IN THE SUBSURFACE: USE OF SPECIALIZED BACTERIA FOR IN SITU BIODEGRADATION OF CONTAMINATED AQUEOUS RADWATER	CHARLES	N 23/03/98 \$453,417	CERVERY 89-NL-173	
DEVELOPMENT OF AN IMMUNOASSAY TO DETECT POLYCHLORINATED HYDROCARBONS LAWRENCE LIVERMORE LAB (CALIF) JUNIV	STANKER	LARRY 30/03/98 \$150,000	CERVERY 39-NL-175	
RESEARCH COLLABORATIONS BETWEEN ACD AND TEXAS SCIENTISTS AEROSPACE MEDICAL DIVISION	CULLIN	LARRY 06/01/88 \$35,000	A DISMUKES 88-NL-046	\$35,000
OPERATIONAL TOURS FOR SAI PERSONNEL AEROSPACE MEDICAL DIVISION	CANTU	COJZ 07/01/89 \$6,000	A DISMUKES 88-NL-047	\$9,000
XIV INTERNATIONAL CONGRESS OF PSYCHOLOGY AMERICAN PSYCHOLOGICAL ASSOCIATION	GOODSTEIN	LEONARD \$5,000	A DISMUKES 88-NL-048	\$5,000
LOCATION INFORMATION AND MECHANISMS OF ECTOPIC CONJUNCTION IN SUBJECT RECOGNITION UNIV OF OREGON	KEELE	STEVEN 20/01/83	FREGLY 88-NL-050	\$5,000
PSYCHOPHYSICAL STUDIES OF VISUAL CORTICAL FUNCTION SIGHT-KETTLERWILL EYE RESEARCH FOUNDATION	HAKAYAMA	KEN \$34,951	FREGLY 39-NL-051	\$36,679
EFFECTS OF ALTITUDE ON VESTIBULAR AND THE RETROGRADE DE				\$27,274

TITLE	INVESTIGATOR	TYPE/METHODS	STATUS	INITIATE RECEIVED AMOUNT	PROGRAM MANAGER PROPOSAL #	START DATE TCT AMT
INFORMATION FOR A MEMORY AT MOUNT EVEREST UNIV OF WASHINGTON	NELSON THOMAS	27/01/33 \$27,274	FREGLY 88-NL-057	01/06/88 \$27,274		
EVALUATION OF LIFE SCIENCES RESEARCH PROGRAM UNPENNSAULE FOUNDATION	YET IDENTIFIED	N 36 09/02/88 \$347,342	FREGLY 88-NL-050	\$91,835 24/03/88 \$347,792		
PERSONALITY AND ATTENTION IN THREE DIMENSIONAL SPACE UNIV OF ILLINOIS	ANDERSEN GEORGE	N 24 16/02/89 \$211,218	FREGLY			
PREFECTION OF PICTURES AND DISCOURSE BY MENTAL MODELS UNIV OF ARIZONA	GLENBERG ARTHUR	N 36 16/02/99 \$347,022	FREGLY			
CONFIRMING ESTIMATES OF UNCERTAINTY: PSYCHOLOGICAL ANALYSIS DAK RIDGE NATIONAL LAB	BRUCE TOWN	N 24 17/02/88 \$505,581	FREGLY			
COORDINATED INNOVATIVE STUDIES (CIS) PROJECT UNIV OF ARIZONA	LAUTER JUDITH	R 60 26/02/98 \$2,452,070	FREGLY			
INCOMPLETENESS OF GRAPHIC DISPLAYS IN JUDGEMENT AND DECISION MAKING UNIV OF ARIZONA RESEARCH	MAGREGORY DONALD	N 24 29/02/98 \$3343,707	FREGLY			
VISUAL ATTENTION AND SHORT-TERM MEMORY NEW YORK UNIVERSITY	SPEARLING GEORGE	N 36 03/03/95 \$540,352	FREGLY			
NEUROGENETIC PATTERNS ANALYSIS SYSTEM CAN TECHNOLOGY, INC.	MORGAN NELSON	N 36 17/03/98 \$49,910	FREGLY			
PSYCHO-PHYSIOLOGICAL PERFORMANCE FEEDBACK ANALYZER (P2-4) SK DYNAMICS, INC.	WATKINS THOMAS	N 36 17/03/88 \$50,000	FREGLY			
BREAKING THE LANGUAGE CODE		N 36				

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SCIENTIFIC SERVICE OF SCIENTIFIC RESEARCH  
INSTITUTE OF LIFE SCIENCES

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TITLE	INVESTIGATOR	TYPE/MJNTS RECEIVED AMOUNT	STATUS PROGRAM MANAGER	INITIATE START DATE T/T AMT
INVESTIGATION OF APPROPRIATE PERCEPTIONS FROM PRESTIMULUS EES DATA	ALAN S. PIKE	17/03/88 \$71,230	FREGLY	33-NL-134
COGNITIVE ORGANIZATION OF INVOKED PERCEPTIONS FROM PRESTIMULUS EES DATA	RICHARD ALTES	N 17/03/88 \$49,997	FREGLY	33-NL-135
OPERATIONAL DECISION TRAINING	KLEIN GARRY	N 17/03/88 \$59,354	FREGLY	33-NL-136
A KNOWLEDGE STRUCTURE APPROACH TO LEARNING AND TEACHING	LEO N JOHN	N 13/03/88 \$59,991	FREGLY	33-NL-137
DECISION SCIENCE CONSORTIUM INC.	WILLIAM ROUSE	N 13/03/88 \$49,503	FREGLY	33-NL-138
INTELLECTUAL INVESTIGATION INTO THE STATUS OF MENTAL MODELS	MICHAEL ROSEN	N 18/03/88 \$49,385	FREGLY	33-NL-139
SEARCH TECHNOLOGY, INC.	CYNTHIA ROGERS	N 13/03/88 \$49,354	FREGLY	33-NL-140
COGNITIVE STYLE AS A PREDICTOR TO SUCCESSFUL PERFORMANCE	MICHAEL COHEN	N 23/01/89 \$285,347	TANGNEY	33-NL-141
PROGRESSIVE LEARNING SYSTEMS	MARION COHEN	N 23/01/89 \$518,312	TANGNEY	33-NL-142
GRADUATING ANALYSIS INDICATORS FOR THE DETERMINATION OF INNATE COGNITIVE FACILITIES	JACOB COHEN	R 23/01/89 \$518,312	TANGNEY	33-NL-143
UNIV OF CONNECTICUT	DAVID COHEN	N 23/01/89 \$527,515	TANGNEY	33-NL-144
VISUAL PROCESSING IN TEXTURE SEGREGATION	ELIZABETH COHEN	N 23/01/89 \$527,515	TANGNEY	33-NL-145
FINAL AND APPARENT SPATIAL DISTORTIONS IN VISUAL PATTERNS	DAVID COHEN	N 23/01/89 \$527,515	TANGNEY	33-NL-146
UNIV OF CONNECTICUT	ELIZABETH COHEN	R 23/01/89 \$527,515	TANGNEY	33-NL-147
SPATIAL LIMITATIONS IN SPATIAL VISION	ELIZABETH COHEN	R 23/01/89 \$527,515	TANGNEY	33-NL-148

UNIV/inst	PROJECT TITLE	INVESTIGATOR	TYPE/MONTHS RECEIVED	STATUS	INITIAL PROPOSAL #	START DATE	END DATE
UNIV OF ROCHESTER	INSTITUTE FOR THE STUDY OF HUMAN CAPABILITIES	WILLIAMS	N 03/02/93 \$351,110	TANGNEY	83-NL-059	\$505,000	15/05/88
INDIANA UNIVERSITY BLOOMINGTON	Spatial selectivity in visual optics	CHARLES	N 03/02/93 \$1,010,000	A TANGNEY	83-NL-059	\$1,005,000	
UNIV OF MASS MEDICAL CENTRE	The visual perception of structure from motion	DANIEL	N 15/02/83 \$1,232,115	TANGNEY	88-NL-054		
UNIVERSITY OF MARYLAND	Functional role of vestibulo-circular reflex adaptation in spatial navigation	JAMES	N 16/02/88 \$288,087	A TANGNEY	88-NL-055		
UNIVERSITY OF KANSAS	A model of alarm call localization in humans	SHIHAB	N 19/02/88 \$425,364	A TANGNEY	88-NL-058	\$103,660	01/05/93
SMITH-KETTLEWELL EYE RESEARCH FOUNDATION	Visual processing and recognition in adaptive neural networks	SHAMMA	N 24/02/89 \$692,343	A TANGNEY	88-NL-071	\$331,237	
UNIV OF FLORIDA	Complex auditory stimuli	KEITH	N 24/02/89 \$189,106	A TANGNEY	83-NL-072		
UNIV OF MASSACHUSETTS	Visual processing of object velocity and acceleration	SUZANNE	R 25/02/88 \$507,537	A TANGNEY	88-NL-073		
UNIV OF FLORIDA	Using the sentence verification technique	DAVID	R 29/02/88 \$561,511	A TANGNEY	88-NL-076		
UNIV OF FLORIDA	Receptor and neural actions	JAMES	R 02/03/88 \$119,193	A TANGNEY	88-NL-078		
			N 36				

TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT Amt	
				INITIATE START DATE	TOT Amt
JULIV 2 = NEW HAMPSHIRE	SMITH	ROBERT	03/03/83 \$540,337	TANGNEY	83-NL-032
INFLUENCE OF DYNAMIC VISUAL ACUITY ON GAZE STABILITY	HENNESSY	ROBERT	N 06 17/03/88 \$40,002	TANGNEY	88-NL-124
A COMPUTERIZED TEST BATTERY FOR IDENTIFYING INDIVIDUAL DIFFERENCES IN COGNITIVE ABILITY	KENNEDY	ROBERT	N 06 17/03/88 \$52,136	TANGNEY	88-NL-125
VISUAL ACCOMMODATION AS DEPENDENT & INDEPENDENT VARIABLE INSIDE AND OUTSIDE THE COCKPIT	KENNEDY	ROBERT	N 06 17/03/88 \$51,756	TANGNEY	88-NL-126
PROCESSING AND ADAPTING FAMILIAR VISUAL MOTION INFORMATION	COLLEAL	HUBERT	N 06 17/03/88 \$50,000	TANGNEY	88-NL-129
INFORMATION PROCESSING BY THE PERIPHERAL VISUAL SYSTEM	COLLEAL	HUBERT	N 06 17/03/88 \$50,000	TANGNEY	88-NL-130
EXTRAFETAL NEUROSCIENCE & LIGHT	PAPYRUS SYSTEMS INC.	KARL	N 06 17/03/88 \$49,318	TANGNEY	88-NL-131
HUMAN PATTERN DISCRIMINATION: AN APPROACH THROUGH RANDOM FIGURES	UNIV OF ALABAMA	MICHAEL	N 36 24/03/83 \$63,618	TANGNEY	88-NL-156
PATTERN DISCRIMINATION IN HUMAN VISION	YALE UNIVERSITY SCHOOL OF MEDICINE	JOY	R 36 24/03/83 \$1,129,635	TANGNEY	88-NL-157
AUDITORY PROCESSING OF COMPLEX SOUNDS ACROSS FREQUENCY CHANNELS	LYNDA UNIVERSITY	WILLIAM	N 36 25/03/88 \$294,333	TANGNEY	88-NL-159

NONLINEAR SUBSTRUCTURE DYNAMICS ANALYSIS  
JOHNSON, WAYNE

TYPE/MONTHS RECEIVED	STATUS	PROGRAM MANAGER	INITIATE START DATE
AMOUNT	PROPOSAL #		TOT AMT

DESIGN OPTIMIZATION OF SYSTEMS GENERATED BY PARTIAL DIFFERENTIAL EQ  
JATTEENS, DYNAMICS RESEARCH ASSOCIATION INC  
JOHNSON, WAYNE

TYPE/MONTHS RECEIVED	STATUS	PROGRAM MANAGER	INITIATE START DATE
AMOUNT	PROPOSAL #		TOT AMT

STOCHASTIC ADAPTIVE CONTROLLER: DESIGN AND ANALYSIS  
JOHNS HOPKINS UNIVERSITY  
ROACHE, SUDI

TYPE/MONTHS RECEIVED	STATUS	PROGRAM MANAGER	INITIATE START DATE
AMOUNT	PROPOSAL #		TOT AMT

CENTRAL AND STABILIZATION OF LINEAR AND NONLINEAR DISTRIBUTED SYST  
EHS, UNIV OF CALIFORNIA  
LEVAN, VICTOR

TYPE/MONTHS RECEIVED	STATUS	PROGRAM MANAGER	INITIATE START DATE
AMOUNT	PROPOSAL #		TOT AMT

CRLY IN SUPPORT FOR OTHER 2304/43 INSTRUMENTS  
AIA FORCE WEAPONS LAB  
NETTIE, HOWARD

TYPE/MONTHS RECEIVED	STATUS	PROGRAM MANAGER	INITIATE START DATE
AMOUNT	PROPOSAL #		TOT AMT

PRACTICAL METHODS FOR ROBUST MULTIVARIABLE CONTROL  
UNIV OF SOUTHERN CALIFORNIA  
SAFONOV, MICHAEL

TYPE/MONTHS RECEIVED	STATUS	PROGRAM MANAGER	INITIATE START DATE
AMOUNT	PROPOSAL #		TOT AMT

ADAPTIVE & NONLINEAR CONTROL  
ARIZONA STATE UNIVERSITY  
SYRNES, CHRISTOPHER

TYPE/MONTHS RECEIVED	STATUS	PROGRAM MANAGER	INITIATE START DATE
AMOUNT	PROPOSAL #		TOT AMT

MATHEMATICAL TECHNIQUES FOR SYSTEM REALIZATION AND IDENTIFICATION  
UNIV OF FLORIDA  
KALMAN, R. E.

TYPE/MONTHS RECEIVED	STATUS	PROGRAM MANAGER	INITIATE START DATE
AMOUNT	PROPOSAL #		TOT AMT

COMPUTATIONAL ALGORITHMS FOR IDENTIFICATION WITH INPUT OPTIMIZATION  
UNIV OF ARKANSAS  
FRENCH, DENNIS

TYPE/MONTHS RECEIVED	STATUS	PROGRAM MANAGER	INITIATE START DATE
AMOUNT	PROPOSAL #		TOT AMT

RESEARCH ON ALGORITHMS FOR SEQUENTIAL MULTIPROCESSORS  
UNIVERSITY OF TORONTO  
LESTER, BRUCE

TYPE/MONTHS RECEIVED	STATUS	PROGRAM MANAGER	INITIATE START DATE
AMOUNT	PROPOSAL #		TOT AMT

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38-NM-214

TITLE TITLE (CONT'D) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TODAY	
				TODAY	30-NM-215
FAIR KNOWLEDGE IN IMAGE PROCESSING SCIENTIFIC SYSTEMS INC.	GUSTAFSON	DONALD	N 06 29/01/98 \$59,439	CROWLEY	
THE APPLICATION OF ADVANCED ALGEBRA TECHNIQUES TO SUPERCOMPUTERS ADVANCED TECHNOLOGY LABORATORIES	JENNINGS	JACK	N 24 29/01/98 \$49,742	CROWLEY	98-NM-216
ERROR DETECTION, DIAGNOSIS, AND CORRECTION ADVANCED TECHNOLOGY LABORATORIES	JENNINGS	JACK	N 06 29/01/98 \$49,742	CROWLEY	98-NM-217
THE DYNAMIC ANALYSIS CODING OF MODERN ALGEBRA PROBLEMS ADVANCED TECHNOLOGY LABORATORIES	JENNINGS	JACK	N 06 29/01/98 \$49,742	CROWLEY	88-NM-218
CYBERTALK ADVANCED TECHNOLOGY LABORATORIES	JENNINGS	JACK	N 06 29/01/98 \$49,742	CROWLEY	93-NM-219
A GENERALIZED APPROACH TO THE APPLICATION OF PARALLEL PROCESSING TO GENERAL PROBLEMS OF MODERN ALGEBRA ADVANCED TECHNOLOGY LABORATORIES	MUHL JR.	JOSEPH	N 06 29/01/98 \$49,742	CROWLEY	38-NM-220
AN APPROACH TO COMPUTER ARCHITECTURE FOR PARALLEL PROCESSING ADVANCED TECHNOLOGY LABORATORIES	MUHL JR	JOSEPH	N 06 29/01/98 \$49,742	CROWLEY	88-NM-221
INTEGRATING NUMERICAL SOFTWARE LIBRARIES WITH AN INTERACTIVE SCREEN TIEIC COMPUTING ENVIRONMENT SCIENTIFIC COMPUTING ASSOCIATES INC	FJULSER	DAVID	N 06 29/01/98 \$50,020	CROWLEY	38-NM-222
DEVELOPING AN OUT-OF-CORE IMPLEMENTATION OF A CONJUGATE GRADIENT METHOD SCIENTIFIC COMPUTING ASSOCIATES INC	FJULSER	DAVID	N 06 29/01/98 \$50,005	CROWLEY	88-NM-223
EMPLOYING SPARSE SOLUTION TECHNOLOGY WITHIN AN INTERACTIVE SCIENTI			N 06		

TITLE TITLE (CONT'D) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT	
FIC COMPUTING ENVIRONMENT SCIENTIFIC COMPUTING ASSOCIATES INC.	FOULSER	DAVID	29/01/88 \$50,020	CROWLEY	88-NM-224
EAST ALGORITHMS FOR CONTROL PROCESSING SPACE TECH CORPORATION	ANDREWS	MICHAEL	N 06 29/01/88 \$49,750	CROWLEY	88-NM-225
MATHEMATICAL MODELLING IN MATERIAL DRAWINGS IN LARGE SPACE STRUCTURES SPARTA INC.	LETSIEUTRE	GEORGE	N 06 29/01/88 \$49,395	CROWLEY	88-NM-226
ADAPTIVE NETWORK TECHNOLOGY FOR COUPLING SYSTEM EFFECTOR CONTROL SYSTEMS INPUTS SYSTRAN CORPORATION	CAMPBELL	HAROLD	N 06 29/01/88 \$53,141	CROWLEY	88-NM-227
SYNTHETIC CALCULUS: INDUCTIVE LEARNING LANGUAGES INT'L META SYSTEMS INC.	THAMES	JOSEPH	N 06 29/01/88 \$51,757	CROWLEY	88-NM-228
AUTOMATIC FINITE ELEMENT MESH GENERATION COMPUTER PERFECTION UNLIMITED (CPU)	WEISINGER	RICHARD	N 06 29/01/88 \$49,395	CROWLEY	88-NM-229
RESEARCH IN MATHEMATICS AND COMPUTER SCIENCE SM SYSTEMS & RESEARCH CORPORATION	HERSH	GILBERT	N 06 29/01/88 \$49,870	CROWLEY	88-NM-230
REAL-TIME EDGE/FEATURE DETECTION THROUGH STOCHASTIC OPTIMIZATION IMAGING SYSTEMS INFORMATION & CONTROL SYSTEMS INC.	HALYQ	NESTIN	N 06 29/01/88 \$55,955	CROWLEY	88-NM-231
SYNTHETIC CALCULUS: OPTIMIZATION RESEARCH ENVIRONMENT INT'L META SYSTEMS INC.	THAMES	JOSEPH	N 06 29/01/88 \$51,757	CROWLEY	88-NM-232
DECOMPOSITION OF LARGE SCALE MATHEMATICAL PROGRAMMING PROBLEMS THRU DUSH THE APPLICATIONS OF THE PARTITION BALANCE PRINCIPLE SYSTEMS APPLICATIONS INC.			N 06 29/01/83 \$49,612	CROWLEY	88-NM-233
RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES			N 06		

REPORT DATE 24/05/83

PROPOSAL STATUS REPORT ( 1 JAN 82 - 31 MAR 86)

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES

TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TCT ANT
PLEX SYSTEMS INC.	COLLEMAN RONALD	23/01/88 \$59,200	CROWLEY	38-NM-234
RELATIVE ENTROPY APPLIED TO IMAGE PROCESSING ENTROPIC SPEECH INC.	SHORE JOHN	N 23/01/88 \$49,945	CROWLEY	38-NM-235
NUMERICAL SOLUTION OF DIFFERENTIAL EQUATIONS	SARAFYAN J.	N 23/01/88 \$50,000	CROWLEY	38-NM-236
ARTIFICIAL NEURAL SYSTEM FOR OPTIMAL MODELLING/CONTROL INC. USC CHECHT-NIELSEN NEUROCOMPUTER	PALMER DOUGLAS	N 23/01/88 \$51,275	CROWLEY	38-NM-237
IMPROVEMENTS IN AUTOMATIC PARALLELIZATION TECHNOLOGY NEW JERSEY ADVANCED TECHNOLOGY	KLAAPHOLZ AARON	N 23/01/88 \$46,972	CROWLEY	38-NM-238
SYNTHETIC CALCULUS ALGORITHMIC LEARNING ENGINES INT'L META SYSTEMS INC.	THAMES THOMAS	N 23/01/88 \$51,767	CROWLEY	38-NM-239
SYNTHETIC CALCULUS ARRAY FOR DIFFERENTIAL SIMULATION INT'L META SYSTEMS INC.	JOSSEPH JOSEPH	N 23/01/88 \$51,767	CROWLEY	38-NM-240
LEARNING LAW ARTIFICIAL NEURAL NETWORKS MARTINSALE RESEARCH CORPORATION	DANES ROBERT	N 23/01/88 \$55,621	CROWLEY	38-NM-241
PROPAGATIONAL WAVE EDUCATION IN WILBERT SPACE MARTINSALE RESEARCH CORPORATION	DANES ROBERT	N 23/01/88 \$53,277	CROWLEY	38-NM-242
MATHEMATICAL MODELS OF COMPLEX LASER BEAM FOCUSING JOSEPH TECHNOLOGY CORPORATION	LUKE V.	N 23/01/88 \$56,645	CROWLEY	38-NM-243
RE-ENTRY VEHICLE STATE ESTIMATION USING QUADRATIC FILTERING TECHNI		N 36		

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TITLE INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
SRI TECHNOLOGY SYSTEMS, INC.	MARJAI	29/01/88 \$50,000	CROWLEY 38-NM-244	
CRANES	KRITIKOS	N 25 \$50,000	CROWLEY 38-NM-245	
SYNTHETIC CALCULUS ADVANCED NEURAL NETWORK	THAWES	N 06 29/01/88 \$51,757	CROWLEY 38-NM-246	
ENT'L META SYSTEMS INC.	JOSEPH	N 06 29/01/88 \$50,720	CROWLEY 38-NM-247	
SYSTEM IDENTIFICATION AND FILTERING OF NONLINEAR CONTROLLED MARKOV PROCESSES BY CANONICAL VARIATE ANALYSIS	LARIMORE	N 06 29/01/88 \$49,358	CROWLEY 38-NM-248	
ADAY SYSTEMS	STIGA	N 06 29/01/88 \$49,950	CROWLEY 38-NM-249	
DIGITALLY BASED WORKSTATION FOR OVERCOMING HIGHLY ACCURATE MEASURE MENTS IN LARGE ARRAYS FROM INDUSTRY	LEBERI	N 06 29/01/88 \$49,761	CROWLEY 38-NM-250	
RESEARCH IN MATHEMATICS AND COMPUTER SCIENCE	VIDE	N 06 29/01/88 \$49,761	CROWLEY 38-NM-251	
CONCEPT INFORMATION SCIENCES, INC.	JOSEPH	N 06 01/02/88 \$47,676	CROWLEY 38-NM-252	
RESEARCH IN COMPUTER SCIENCE	ROBERT	N 06 01/02/88 \$49,390	CROWLEY 38-NM-253	
A NEW EXPERT SYSTEM-BASED METHODOLOGY FOR REUSABLE SOFTWARE	SENGROY	N 06 01/02/88 \$49,390	CROWLEY 38-NM-254	
CONCEPT TECHNOLOGY	BESSEL	N 06 01/02/88 \$49,390	CROWLEY 38-NM-255	
SIMULATION METHODS FOR CAPABLE DISTRIBUTED PROCESSOR NETWORKS	DAVID	N 06 01/02/88 \$49,390	CROWLEY 38-NM-256	
MATRIZABLE PREDICTION CORRELATION	ZAHED	N 06 01/02/88 \$54,320	CROWLEY 38-NM-257	
INNOVATIVE STORAGE METHODS AND ALTERNATIVE SOLUTION TECHNIQUES FOR	ROBERT	N 06 01/02/88 \$54,320	CROWLEY 38-NM-258	

TYPE TITLE (CONT.) INVESTIGATION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TEST UNIT
4. FINITE ELEMENT METHODS MAGISTRAL ENGINEERING CORPORATION	BUCKMAN JAY	01/02/88 \$49,308	CROWLEY 98-NM-254	
ANISOLEUM ORIENTED CONSTRAINT DIRECTED SIMULATION SYNTHESIS	PAUL	N 06 01/02/88 \$42,495	CROWLEY 98-NM-255	
A KNOWLEDGE BASED EXPERT SYSTEM FOR SOFTWARE ENGINEERING	YEE D.	N 06 01/02/88 \$50,770	CROWLEY 98-NM-256	
Demonstration of array profile	CLARKE THOMAS	N 06 01/02/88 \$49,327	CROWLEY 98-NM-257	
NONLINEAR CONTROL OF HIGH ANGLE ATTACK FLIGHT DYNAMICS	JAMES	N 06 01/02/88 \$51,607	CROWLEY 98-NM-258	
BUSINESS & TECHNOLOGICAL SYSTEMS, INC.	CARROLL	N 06 01/02/88 \$49,505	CROWLEY 98-NM-259	
RESEARCH IN MATHEMATICS AND COMPUTER SCIENCE: CALCULATION OF THE P ROBABILITY OF UNDETECTED ERROR FOR CERTAIN ERROR DETECTION CODES	ANDREW VITERBI	N 06 01/02/88 \$49,526	CROWLEY 98-NM-260	
NEURAL NETWORK RESEARCH FOR TRACK WHILE SCAN RADAR	KHALSA DHARMA SINGH	N 06 01/02/88 \$49,672	CROWLEY 98-NM-261	
FINITE MEMORY TRACKING AND FILTERING ALGORITHM	BANNETT ROGER	N 06 01/02/88 \$49,672	CROWLEY 98-NM-262	
SUPERWAVE IMAGE PROCESSOR	KATN MARTHA	N 06 01/02/98 \$49,394	CROWLEY 98-NM-263	
CALIFORNIA ADVANCED INTEGRATION	DAVIDSON STEPHEN	N 06 01/02/98 \$43,556	CROWLEY 98-NM-264	
Development of neural network interface for image representati		N 06		

TITLE TITLE (CONT.) INVESTIGATOR	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TDT AMT
IMAGE FEATURE EXTRACTION IMAGE CONVERSION DEVICES	BRUCKES	JOHN	01/02/88 \$50,000	CROWLEY 88-NM-255
INVESTIGATION OF THREE "W" ALGORITHMS FOR MULTIBODY DYNAMICS SIMULATIONS	KAT	JAMES	N 06 12/02/88 \$43,615	CROWLEY 88-NM-279
PERFORMANCE ANALYSIS FOR THE RECOGNITION OF TARGETS	WEBSTER	DAVID	N 06 12/02/88 \$54,152	CROWLEY 88-NM-230
RESEARCH IN MATHEMATICS AND COMPUTER SCIENCE IMAGE PROCESSING FOR MILITARY RADAR	KLIMKIEWICZ	WOJCIECH	N 06 12/02/88 \$43,155	CROWLEY 88-NM-231
RESEARCH IN NONLINEAR EQUATION SOLVER IN REAL-TIME DEVICE PROCESSOR	HANS	CHENG	N 06 12/02/88 \$57,593	CROWLEY 88-NM-292
AN INTEGRATED CONCERN FOR SCHEDULING TRANSPORTATION NETWORKS	LOEGREN	CHRISTOPHER	N 06 12/02/88 \$50,000	CROWLEY 88-NM-233
ADJUST AND ADAPTIVE CONTROL OF DYNAMICAL SYSTEMS	KOSSUT	ROBERT	N 06 12/02/88 \$79,205	CROWLEY 88-NM-234
INTEGRATED SYSTEMS, INC.				
RESEARCH IN MATHEMATICS AND COMPUTER SCIENCE	NELSON	NORMAN	N 06 12/02/88 \$22,500	CROWLEY 88-NM-235
NELSON ASSOCIATES				
AN INTELLIGENT MATHEMATICAL MODELING SYSTEM-MATHEMATICIAN	LICK	EVAN	N 36 12/02/88 \$50,000	CROWLEY 88-NM-236
COMPUTER COMMAND & CONTROL COMPANY				
RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES: A UNIFIED STATISTICAL METHODOLOGY FOR READING AND COMPUTING ABOUT DATA BASES	LASKEY	KATHRYN	N 36 12/02/88 \$61,691	CROWLEY 88-NM-237
INFORMATION SCIENCE CONSULTANT INC.				
ADAPTIVE KNOWLEDGE-BASED NETWORK			N 36	

REPORT DATE: 04/05/94

PROGRESS STATUS REPORT ( 1 JAN 94 - 31 MAR 94)

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

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TYPE TITLE INVESTIGATION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TICKET
ADVANCED DECISION SYSTEMS	SEBANIC PATRICE	12/02/93 \$49,377	CROWLEY	38-NM-238
A KNOWLEDGE-BASED SYSTEM FOR DYNAMIC MODEL VERIFICATION	TIMOTHY ROSS	N 06 12/02/93 \$57,356	CROWLEY	38-NM-239
INTELLIGENT SYSTEMS INFORMATION INC.	RODFRICK CAPR	N 12 17/02/93 \$256,272	CROWLEY	38-NM-240
MICROCOMPUTER EXPERT SYSTEM	RODFRICK CAPR	N 06 19/02/93 \$50,000	CROWLEY	38-NM-241
RESEARCH IN MATHEMATICS AND COMPUTER SCIENCE	CALDWELL J.	N 12 25/02/93 \$500,000	CROWLEY	38-NM-246
VISTA RESEARCH CORPORATION	CHUDNOVSKY DAVID	N 12 25/02/93 \$134,596	CROWLEY	38-NM-249
DESIGN AND IMPLEMENTATION OF HIGH PRECISION AND HIGH PERFORMANCE PARALLEL SOFTWARE AND HARDWARE - PHASE II	CHUDNOVSKY DAVID	N 12 25/02/93 \$116,500	CROWLEY	38-NM-250
INCREASING THE MARGIN OF STABILITY OF ARBITRARILY FINITE MODES OF FLEXIBLE LARGE SPACE STRUCTURES WITH DAMPERS	LASZECKA IRENA	N 12 25/02/93 \$116,500	CROWLEY	38-NM-251
PARAMETER IDENTIFICATION ON TIME DELAY SYSTEMS	PEARSON ALLAN	N 36 26/02/88 \$97,000	CROWLEY	38-NM-301
SINGULAR AND SINGULAR STOCHASTIC CONTROL	SHEREVE STEVEN	N 36 26/02/88 \$242,660	CROWLEY	38-NM-302
ON OBSERVABILITY OF SYSTEMS WITH COMPLICATED DYNAMICS	S. TAYLOR THOMAS	N 24 26/02/88 \$92,755	CROWLEY	38-NM-303
STABILITY AND CONTROL OF NONLINEAR SYSTEMS	MARTIN CLYDE	N 36 26/02/88 \$416,334	CROWLEY	38-NM-304
JPS: OPTIMAL PROJECTION FOR INTEGRATION SYSTEMS		N 36 26/02/88	CROWLEY	38-NM-305

REPORT DATE 04/05/88

PROPOSAL STATUS REPORT ( 1 JAN 88 - 31 MAR 88)

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

DIRECTORATE OF MATHEMATICAL &amp; INFORMATION SCIENCES

TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	DURATION	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	DATE START DATE TDT AQT	INITIATE START DATE TDT AQT
MARIS CORPORATION	BERNSTEIN	DENNIS	\$289,310	CROWLEY	98-NM-315	
ROBUST CONTROL OF NONLINEAR FLEXIBLE SPACE MANIPULATORS				N 36	CROWLEY	
UNIV OF SOUTHERN CALIFORNIA	SKOCIRANSKI	JANISLAW	\$190,571	88-NM-316		
RESEARCH ADVANCES IN AIR FORCE SYSTEMS				N 36	CROWLEY	
UNIV OF CALIFORNIA	LENOES C.	JACOB	\$176,683	38-NM-317		
NONLINEAR FEEDBACK-CONTROL SYSTEMS	HAMMER			N 50	CROWLEY	
UNIV OF FLORIDA				29/02/88	29/02/88	
MODEL BASED FAILURE DETECTION AND ISOLATION: DESIGN FOR ISOLABILITY AND ROBUSTNESS	SERTLER	JAMES	\$252,339	CROWLEY	88-NM-318	
GEORGIA MASON UNIVERSITY				17/03/88	17/03/88	
FUNDAMENTAL STUDIES IN CONTROL OF FLEXIBLE ARTICULATED STRUCTURES	CANNON	ROBERT	\$1,118,000	CROWLEY	88-NM-338	
STANFORD UNIVERSITY				17/03/88	17/03/88	
1988 IEEE INTERNATIONAL SYMPOSIUM ON INFORMATION THEORY	COSTELLO JR.	DANIEL	\$10,000	CROWLEY	88-NM-340	
INSTITUTE OF ELECTRICAL ELECTRONICS INC						
LINEAR CONTROLLER DESIGN VIA INFINITE DIMENSIONAL CONVEX OPTIMIZATION & SPECIAL PURPOSE ARCHITECTURES FOR LINEAR CONTROLLERS	ECYD	STEPHEN		N 24	CROWLEY	
STANFORD UNIVERSITY				18/03/88	18/03/88	
ANALYTICAL, COMPUTATIONAL AND EXPERIMENTAL STUDIES OF DISTRIBUTED PARAMETER AND NONLINEAR CONTROL SYSTEMS	RUSSELL	DAVID	\$298,458	CROWLEY	88-NM-343	
VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY						
ROBUST STABILIZATION OF SYSTEMS WITH TIME DELAYS				N 24	CROWLEY	
WYOMING STATE UNIVERSITY	CLARK	ANDREW J	\$121,520	25/03/88	25/03/88	
ADAPTIVITY METHODS IN CONTROL SYSTEM ANALYSIS AND DESIGN						
				N 24		

REPORT DATE 34/25/82

OFFICIAL STATUS REPORT C 1 JAN 82 - 31 MAR 83)

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES

TITLE  
TITLE (CONT.)  
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TITLE	INVESTIGATOR	TYPE/MONTHS RECEIVED ACCOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TFT #4
HARRIS CORPORATION	ZICHTER STEPHEN	25/03/82 \$204,057	CROWLEY 89-NM-351	
COMTOPY METHODS IN CONTROL SYSTEM DESIGN AND ANALYSIS	WATSON LAVINE	N 36 25/03/82 \$191,710	CROWLEY 88-NM-352	
VIRGINIA POLYTECHNIC INST & STATE UNIV				
ALGORITHMICALLY SPECIFIED COMBINATIONAL OBJECTS	ROSENBERG ARNOLD	N 35 05/01/82 \$211,972	MILLER 88-NM-179	
UNIV OF MASSACHUSETTS				
ALGORITHM FOR SEMI-INFINITE OPTIMIZATION PROBLEMS ARISING IN ENGINEERING	PANTER E.	N 26 06/01/82 \$215,508	MILLER 88-NM-191	
SCHOOL OF MARYLAND				
INTEGRATING INTERIOR POINT ALGORITHMS AND THE SIMPLEX METHOD	LUSTIG IRVIN	N 24 27/01/82 \$222,956	MILLER 88-NM-196	
PRINCETON UNIVERSITY				
COMPLEMENTARITY PROBLEMS	MCNAMEE MUDDAPPA	N 24 27/01/82 \$61,548	MILLER 88-NM-199	
UNIV OF MARYLAND BALTIMORE COUNTY				
PARALLEL AND DISTRIBUTED COMPUTATION	NASH STEPHEN	N 35 27/01/82 \$198,325	MILLER 88-NM-202	
GEORGE WASHINGTON UNIVERSITY				
FAST ALGORITHMS FOR STRUCTURAL OPTIMIZATION, LEAST-SQUARES AND RELATED COMPUTATIONS	PLEMMONS ROBERT	R 24 27/01/82 \$147,579	MILLER 88-NM-207	
JOHNS HOPKINS UNIVERSITY				
VULNERABILITY PROPERTIES OF CERTAIN CLASSES OF GRAPHS	STURCKE SAM	N 36 09/02/82 \$209,433	MILLER 88-NM-273	
MULTIPLE RESOURCE-DISTRIBUTED MULTIFACET PROJECT SCHEDULING IN PARALLEL COMPUTERS	MEIJTER GEORGE	N 09 12/02/82 \$47,127	MILLER 88-NM-278	
SIMULATION RESEARCH				
OPTIMAL THEORY FOR DISTRIBUTED COMPUTER SYSTEMS		N 07 4	\$45,955	

FOR BUREAU OF SCIENTIFIC RESEARCH  
AND EDUCATION OFFICE OF SCIENTIFIC RESEARCH  
INVESTIGATOR = MATHEMATICAL & INFORMATION SCIENCES

TITLE TITLE (CONT.) INVESTIGATOR	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TST AMT
AIRSPACE COMPANY	DALEW	22/02/88 \$73,393	MILLER 83-NM-232	01/04/88 \$46,855
PROJECT CORRECTING CODES AND RELATED DESIGN	DAVID	N		
UNIV OF ILLINOIS	PLLESS	N 22/02/98 \$103,764	MILLER A 83-NM-234	15/05/88 \$109,764
ALTERNATE PROBLEM FORMULATIONS AND THE SOLUTION OF CONSTRAINED CON	JOHNSON	N 26/02/88 \$100,709	MILLER 24	
LINEAR PROGRAMMING PROBLEMS	GLEN	N 26/02/88 \$100,709	MILLER 24	
CYCLES AND PATHS IN GRAPHS - RESEARCH IN GRAPH THEORY	JOHNSON	N 26/02/88 \$45,781	MILLER A 83-NM-306	
WEST VIRGINIA UNIVERSITY	ZHANG	N 26/02/88 \$46,923	MILLER 12	
ASYMPTOTIC METHODS IN COMPUTATIONAL THEORY	CANFIELD	N 26/02/88 \$46,923	MILLER A 83-NM-307	
NONLINEAR STOCHASTIC OPTIMIZATION: NUMERICAL PROCEDURES AND STATISTICAL THEORY	CANFIELD	N 26/02/88 \$46,923	MILLER A 83-NM-308	
UNIV OF GEORGIA	RIDNEY	N 26/02/88 \$46,923	MILLER A 83-NM-309	
A RUTGERS PROJECT IN DISCRETE APPLIED MATHEMATICS	ROGER J. B.	N 26/02/88 \$112,371	MILLER 24	
RUTGERS - THE STATE UNIVERSITY	FRED S. ROBERTS	N 26/02/88 \$112,371	MILLER R 36	
THE DEVELOPMENT OF EFFICIENT OPTIMIZATION ALGORITHMS FOR PROBLEMS IN 1TH VARIABLE UPPER BOUNDS	PETER L. HAMMER	N 29/02/98 \$1,143,336	MILLER 24	
NORTHERN ILLINOIS UNIVERSITY	CHAKRAVARTI	N 29/02/98 \$61,398	MILLER A 83-NM-321	
NUMERICAL TECHNIQUES IN CONTROL AND OPTIMIZATION	WILLIAM	N 29/02/98 \$40,000	MILLER 24	
PENNSYLVANIA STATE UNIVERSITY	HAFER	N 29/02/98 \$40,000	MILLER A 83-NM-322	
PARALLEL COMPUTATION OF FULL AND PARTIAL STRUCTURAL OPTIMIZATION	MHAMMED	N 29/02/98 \$117,335	MILLER 24	
UNIV OF MISSOURI	EL-SAYED	N 29/02/98 \$117,335	MILLER A 83-NM-326	
CHARGE FOR SPREAD-SPECTRUM CHANNELS IN THE PRESENCE OF JAMMING		N 29/02/98 \$74,901	MILLER 24 A	

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UNITED STATES OF AMERICA (2 JAN 92 - 31 MAR 93)  
DEPARTMENT OF DEFENSE  
RESEARCH AND DEVELOPMENT  
COMMITTEE ON MATHEMATICAL INFORMATION SCIENCES

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START DATE: 1/1/88

PERIODICAL STATUS REPORT (1 JAN 88 - 31 MAR 88)

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INVESTIGATOR			
THOMPSON	ROBERT	06/01/88 \$97,326	NACHMAN 89-NM-134
CHAN	T.		
ANALYTIC APPROXIMATIONS AND DESIGN OF NUMERICAL METHODS FOR DIFFERENTIAL EQUATIONS	N 25 06/01/88 \$266,473	NACHMAN 33-NM-135	
UNIVERSITY OF CALIFORNIA			
CHAPTEK, BEHAVOUR OF PLASTIC DYNAMICS	N 12 22/01/88 \$14,900	NACHMAN 98-NM-139	
CHEN, TAI CHI LAUREA SCIENTIAE A VOLTA	CASATI GIULIO		
EAST ASIAN METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS	N 36 27/01/88 \$533,700	NACHMAN 88-NM-132	
JORDANIAN MATHEMATICAL LABORATORY	FASCIAK JOSEPH		
DYNAMICAL SYSTEMS METHODS IN THE STUDY OF ONE-DIMENSIONAL WAVE MOTION	N 36 27/01/88 \$138,425	NACHMAN 88-NM-134	
UNIVERSITY OF MARYLAND	JONES CHRISTOPHER		
LEADS IN CLASSICAL ANALYSIS FIELD	N 36 27/01/88 \$187,774	NACHMAN 88-NM-201	
UNIV. OF NEW HAMPSHIRE	SHEPARD HARVEY		
ITERATIVE ALGORITHMS FOR THE NUMERICAL SOLUTION OF THE MATRIX EQUATION	N 36 27/01/88 \$97,353	NACHMAN 88-NM-204	
FLORIDA STATE UNIVERSITY	MILLER		
NONLINEAR FLUIDS AND FLUIDS OF VARIABLE VISCOSITY FLUIDS	N 36 27/01/89 \$149,295	NACHMAN 88-NM-205	
UNIVERSITY OF BRISTOL	HATLOCH DAVID		
NONLINEAR EVALUATION AND CHARACTERIZATION OF MEDIA WITH MICROSTRUCTURE	N 36 27/01/89 \$150,128	NACHMAN 88-NM-208	
UNIVERSITY OF BRISTOL	SANTOSA FADIL		
NONLINEAR PARALLEL COMPUTATIONAL FLUID DYNAMICS	N 17 29/01/88 \$154,355	NACHMAN 88-NM-211	
UNIVERSITY OF BRISTOL	CALAHAN		
MODELING AND ANALYSIS OF THE CARDIOMUSCULAR SYSTEM	N 32		

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PROPOSAL STATUS REPORT (1 JAN 38 - 31 MAR 38)  
AEROSPACE SERVICE DIVISION OF SCIENTIFIC RESEARCH  
INSTITUTE FOR MATHEMATICAL & COMPUTATION SCIENCES

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TYPE/MONTHS RECEIVED	STATUS	INITIATE
AMOUNT	PROGRAM MANAGER PROPOSAL #	START DATE T/T AMT

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23/01/98 NACHMAN  
\$233,451 38-NM-212

EXCELSIOR

GENERAL POLICY STATEMENT - TRUSTS STATE JUNE 19

THE EFFECT OF SYMMETRY ON THE HYDRODYNAMIC STABILITY OF AND STIFFURE  
TURBULENT FLOW IN A CHANNEL WITH A ROTATING CYLINDRICAL CYLINDRICAL CYLINDER  
STRUCTURE

SIS DE THE DAY - THE SISTENIC COMPUTER SYSTEM

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**ANALYTICAL AND ALGEBRAIC STUDIES FOR ONLINE  
COURSES**  
**SOUTHEASTERN UNIVERSITY**

MULTIDIMENSIONAL DYNAMIC PROBLEMS IN PLASTICITY

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DAVIE STEEN

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INTERJACENT STUDENT AND GOVERNORIAL FELLOWSHIP PROGRAM IN ANNUAL YEAR  
INTERJACENT STUDENT AND GOVERNORIAL FELLOWSHIP PROGRAM IN ANNUAL YEAR  
INTERJACENT STUDENT AND GOVERNORIAL FELLOWSHIP PROGRAM IN ANNUAL YEAR

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PROGRESSIVE STATUS REPORT (1 JAN 33 - 31 MAY 63)

DATE 15

TYPE/CONTENTS	STATUS	INITIATE DATE	STAY DATE
INVESTIGATOR	PROGRAM MANAGER	INITIATE DATE	STAY DATE
MR. J. P. COLEBROOK AT SERVICE	NACHMAN 39-NM-239	25/02/93 \$39,375	NACHMAN 39-NM-239
ATMOSPHERIC POLLUTION	NACHMAN 39-NM-312	29/02/88 \$20,335	NACHMAN 39-NM-312
SOUTHERN FLORIDA UNIVERSITY	SCOTT	N	A
MATERIAL COMPUTATION IN NEURAL SYSTEMS:ARCHITECTURES AND COMPLEXITY	DICKINSON	29/02/88 \$66,986	NACHMAN 88-NM-313
PRINCETON UNIVERSITY	BRADLEY	N	A
INTERDISCIPLINARY RESEARCH IN VISCOELASTICITY AND RHEOLOGY	JOHNSON	29/02/88 \$40,500	NACHMAN 89-NM-314
REV OF DISCUSSION	GARY	N	A
MATHEMATICAL AND NUMERICAL STUDY OF NONLINEAR WAVES ARISING IN A SHELL-STRUCTURE MODEL OF A FLUIDIZED BED	MARSHALL	29/02/88 \$272,350	NACHMAN 39-NM-325
REV OF DISCUSSION	SELEGNY	N	D
PROBLEMS IN NONLINEAR CONTINUUM DYNAMICS	SELEGNY	29/02/88 \$76,397	NACHMAN 39-NM-329
MATHEMATICAL TOOLS FOR IMAGE RECONSTRUCTION	F. ALBERTO	N	A
REV OF DISCUSSION	GRUNEAU.	01/03/98 \$277,731	NACHMAN 93-NM-331
IMAGE PROCESSING IN TEMPORALLY DISPERSED MEDIA	KRIEGER	N	A
REV OF DISCUSSION	CHICOME	01/03/98 \$25,000	NACHMAN 89-NM-334
APPLICATIONS OF HOMOTOPY METHODS IN CONVERGENCE OF PERIODIC JUNCTIONS	CARMEN	N	A
REV OF DISCUSSION	GREIDER	16/03/83 \$225,778	NACHMAN 39-NM-344
PROBLEMS IN PLANE-ELEMENT INTERACTION		N	36
REV OF NEW YORK CITY		18/03/83 \$253,331	NACHMAN 33-NM-347
INTERFACIAL AND ANALYTICAL METHODS FOR NONLINEAR IMAGE PROCESSING		N	36

REPORT DATE: 2-125-88

PROPOSAL STATUS REPORT (1 JAN 88 - 31 MAR 89)

AMER. SCIENCE OFFICE DE SCIENTIFIC RESEARCH

DIRECTORATE OF MATHEMATICAL &amp; INFORMATION SCIENCES

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TITLE TITLE (CONT.) INVESTIGATION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROJECIT #	INITIATE START DATE TOT AMT
STATE UNIVERSITY OF NEW YORK EUROPEAN OFFICE OF AEROS. RECH AND DEVELOP	HAGSTROM HALL	THOMAS PHILIP	21/03/88 \$115,622	NACHMAN 89-NM-349
INSTABILITY AND TRANSITION IN COMPRESSIBLE BOUNDARY LAYERS		N 22/03/88 \$131,097	NACHMAN 89-NM-355	
ASYMPTOTIC SOLUTION OF INVERSE PROBLEMS USING FOURIER INTEGRAL OPE FATIGUE MECHANISMS COLLEGES SCHOOL OF MINES	MASIN	FRANK	N 15 23/03/88 \$113,450	NACHMAN 83-NM-356
SOME MATHEMATICAL PROBLEMS IN CONTINUUM MECHANICS CARNEGIE-MELLON UNIVERSITY	HRUSA	WILLIAM	N 12 25/03/88 \$129,305	A NACHMAN 89-NM-356
NONLINEAR SYSTEMS WITH PARAMETERS: RECURSIVE LYAPUNOV FUNCTIONS REGGAE STATE UNIVERSITY	JLAS	ANDRZEJ	N 24 25/03/88 \$98,432	NACHMAN 89-NM-350
INVESTIGATIONS OF EQUILIBRIA, LATTICES, AND CHAOTIC DYNAMICS OF 2-D HAMILTONIAN PARTIAL VORTICES	KADTKE	JAMES	N 24 29/03/88 \$195,528	NACHMAN 89-NM-353
CONFERENCE ON NONLINEAR PHENOMENA IN FLUID MECHANICS UNIV OF CALIFORNIA				
ADVANCED EXPLICIT MARCHING SCHEMES FOR THE FULLER AND NAVIER-STOKES EQUATIONS UNIV OF MICHIGAN	SONNA LEER	JERRY BRAM VAN	N 12 29/03/88 \$24,550	NACHMAN 89-NM-355
STATISTICAL METHODS IN DISTRIBUTED COMPUTATION EICHI UNIVERSITY	ZWANECKEL	WILLY	N 24 30/03/88 \$233,203	NACHMAN 89-NM-357
THE DESIGN OF AN AUTOMATIC TRAINING ENVIRONMENT FOR DATABASE APPLICATIONS UNIVERSITY OF ALABAMA				
INTERACTIVE MODULES FOR STYLUS, TEXTURE AND PERCEPTUAL PROCESSING IN EAR	FERNANDEZ EDUARDO		N 36 05/01/89 \$359,354	WAKSMAN 89-NM-175
				N 24 05/01/89 \$194,205
				WAKSMAN 89-NM-176
				N 12 A \$57,389

TYPE TITLE INSTITUTION UNIV OF ILLINOIS	INVESTIGATOR AHUJA	TYPE/MONTHS RECEIVED AMOUNT \$65,000	STATUS PROGRAM MANAGER PROPOSAL # WAKSMAN 38-NM-178	INITIATE START DATE TOT AMT 01/07/88 \$57,389
INVESTIGATIONS IN NONMONOTONIC REASONING ARTIFICIAL INTELLIGENCE RESEARCH INSTITUTE	BROWN	N 36 27/01/88 \$341,550	WAKSMAN 38-NM-210	
PARALLEL COMPUTING OF NUMERICAL FLUID FIELDS	FRANK	N 24 27/01/88 \$285,362	WAKSMAN 89-NM-210	
EVALUATION AND EXTRACTION OF FEATURES OF DIGITIZED PICTURES	LIN	N 36 03/02/89 \$176,932	WAKSMAN 89-NM-257	
NONMONOTONIC TEMPORAL REASONING	AVI	N 24 03/02/89 \$586,196	WAKSMAN 89-NM-259	
STANFORD UNIVERSITY	SHOHAM	N 11 04/02/88 \$374,520	WAKSMAN 88-NM-271	\$223,781 01/05/88 \$223,781
RESEARCH ON PROGRAMMING LANGUAGES AND SOFTWARE ENGINEERING UNIVERSITY OF MARYLAND	EASILY	N 12 04/02/89 \$58,399	WAKSMAN 89-NM-272	\$58,399 15/05/88 \$58,399
TEXTURE PERCEPTION AND SHAPE FROM TEXTURE UNIV OF ILLINOIS	AHUJA	NARENDRA YODICK		
MACHINE TRACTABLE DICTIONARIES AS TOOLS AND RESOURCES FOR NATURAL LANGUAGE PROCESSING NEW MEXICO STATE UNIVERSITY	WALKS	N 24 26/02/88 \$386,247	WAKSMAN 89-NM-310	
HARDWARE AND SOFTWARE INSTRUMENTATION FOR PERFORMANCE MONITORING A ND APPLICATION SUPPORT FOR PARTITIONABLE SIMD/MIMD PARALLEL COMPUTER PURPOSE RESEARCH FOUNDATION	MARINESCU DAN	N 36 26/02/88 \$387,024	WAKSMAN 39-NM-319	
PARALLEL ARCHITECTURES DESIGN, VALIDATION, IMPLEMENTATION JEW OF MASSACHUSETTS	ARNOLD ROSENBERG	N 36 23/02/88 \$554,235	WAKSMAN 89-NM-320	
SCENE SEGMENTATION AND MEASURING UNDER UNCERTAINTY		N 36 A		\$109,474

ON SCIENTIFIC RESEARCH  
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TITLE TITLE (CONT.)	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TST AMT
UNIV OF PENNSYLVANIA	BAJCKY	RUZENA 01/03/83 \$109,474	WAKSMAN A 88-NM-329	01/05/88 \$359,263
THE DEVELOPMENT OF STRUCTURE FOR THE REPRESENTATION AND MANIPULATION OF SOPHISTICATED KNOWLEDGE IN INTELLIGENT SYSTEMS	YAGER	DONALD 01/03/88 \$31,381	WAKSMAN A 89-NM-330	01/07/88 \$63,862
COLLABORATIVE PLANNING	GROSS	BARBARA 07/03/88 \$28,019	WAKSMAN A 98-NM-333	01/07/88 \$28,020
SOFTWARE TOOLS FOR THE DESIGN AND TUNING OF PARALLEL SUPERCOMPUTER APPLICATIONS	GANNON	DENNIS 07/03/88 \$465,436	WAKSMAN A 98-NM-350	
DISTRIBUTED PLANNING AND PROBLEM SOLVING SYSTEMS	FINDLER	NICHOLAS 21/03/88 \$473,233	WAKSMAN A 98-NM-351	
MULTIVARIATE PROBLEMS IN STATISTICS AND INFORMATION THEORY	JAYA	N 21/03/88 \$465,436	WAKSMAN A 98-NM-351	
COLORADO STATE UNIVERSITY	SRIVASTAVA			
STATISTICAL METHODOLOGIES FOR NON GAUSSIAN NOISY ENVIRONMENTS	MURAJ	N 05/01/89 \$296,511	WOJDRUFF A 88-NM-157	\$57,500 15/04/88 \$57,500
BOSTON UNIVERSITY	TAQU			
DESIGN AND ANALYSIS OF COMPUTATIONAL EXPERIMENTS	MITCHELL	N 05/01/89 \$75,000	WOJDRUFF A 88-NM-159	
DAK RIDGE NATIONAL LAB	MITCHELL			
STOCHASTIC MODEL IN RELIABILITY	ROSS	R 05/01/88 \$64,177	WOJDRUFF A 88-NM-170	\$51,000 15/05/88 \$51,000
RESEARCH ON RADIONUCLIDE EROSION CONSEQUENCE PROCEDURES	SHELTON	N 05/01/88 \$64,177	WOJDRUFF A 88-NM-172	
UNIV OF PENNSYLVANIA	MINTZ			
INFINITE DIMENSIONAL STOCHASTIC ORGANIZATION. FIGHTNESS AND APPLICABILITY		N		

REPORT DATE 04/05/88

PROPOSAL STATUS REPORT (1 JAN 83 - 31 MAR 88)

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TITLE	INVESTIGATOR	TYPE/MONTHS RECEIVED	STATUS	INITIATE START DATE
TITLE (CONT.)		AMOUNT	PROGRAM MANAGER	TOT AMT
UNIV OF FLORIDA	ROCK	\$334,525	WOODRUFF	88-NM-177
LIMITS FOR SEQUENTIAL TESTING, CROSSING TIMES AND MARK SUMS	JAMES	05/01/88	WOODRUFF	
UNIVERSITY OF MICHIGAN	KEENER	\$159,124	88-NM-187	
REGULAR VARIATION IN SEVERAL VARIABLES	MEERSCHAERT	N 36 27/01/88 \$30,756	WOODRUFF	88-NM-193
ALBION COLLEGE	MARK	27/01/88 \$37,472	WOODRUFF	88-NM-230
RELIABILITY ASSESSMENT FOR ONE-SHOT DEVICES BASED ON REPEATED SAMPLES	LEE	R 12 27/01/88 \$37,472	WOODRUFF	
UNIV OF MISSOURI	BAIN			
THE NUMERICAL EVALUATION OF BAYES ESTIMATES IN RELIABILITY MODELS	ALBERT	N 24 03/02/88 \$195,157	WOODRUFF	88-NM-258
STATE UNIVERSITY OF NEW YORK	LO			
THEORY AND APPLICATION OF RANDOM FIELDS	ROBERT	R 36 09/02/88 \$113,000	WOODRUFF	88-NM-275
TECHNION-ISRAEL INST OF TECHNOLOGY	ADLER			
HIGHER ORDER CROSSINGS	KEDEM	R 36 29/02/88 \$192,350	WOODRUFF	88-NM-310
UNIV OF MARYLAND	ERIC			
SOME STRUCTURAL ASPECTS OF RANDOM FIELDS	WILSONMILLER	N 24 29/02/88	WOODRUFF	88-NM-311
UNIV OF CINCINNATI				
FAST SIGNAL PROCESSING ALGORITHMS AND APPLICATIONS TO PASSIVE SURVEILLANCE AND IDENTIFICATION	TEWINK	N 35 29/02/89 \$293,991	WOODRUFF	88-NM-319
UNIV OF MINNESOTA	AHMED			
RESEARCH IN STATISTICAL INFERENCE		N 24 29/02/88 \$136,235	WOODRUFF	88-NM-322
TEXAS A AND M RESEARCH FOUNDATION	CARROLL	R		
SUPERCOMPUTING IN EXPERIMENTAL DESIGN		N 39 A		\$30,000

REPORT DATE 1/19/83

PROGRESS REPORT C 1 JAN 83 - 31 MAR 83  
AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROJECT MANAGER PROPOSAL #	INITIATE START DATE TENURE	
SYSTEM RELIABILITY ANALYSIS AND INFERENCE UNIV OF CALIFORNIA	BARLOW	R	N 03/03/83 \$106,000	WOJDRUFF A 89-NM-335	\$106,000 15/03/83 \$106,000
BASIC RESEARCH IN RELIABILITY FOR REAL SYSTEMS UNIV OF SOUTHERN CALIFORNIA (ELEC ENG)	LI	VICTOR	N 14/03/83 \$104,000	WOJDRUFF A 83-NM-336	\$51,500 15/07/88 \$104,000
STUDIES IN STATISTICAL SIGNAL PROCESSING STANFORD UNIVERSITY	KAILATH	THOMAS	R 17/03/83 \$355,373	WOJDRUFF A 89-NM-341	\$89,330 01/08/88 \$182,930
SOME PROBLEMS IN NONPARAMETRIC REGRESSION SOUTHERN METHODIST UNIVERSITY	EUBANK	RANDALL	N 18/03/83 \$103,012	WOJDRUFF A 89-NM-345	
SE-COHERENCE-EXPLOITING ALGORITHMS FOR SIGNAL DETECTION, PARAMETER ESTIMATION AND EXTRACTION UNIV OF CALIFORNIA	GARDNER	WILLIAM	N 13/03/83 \$506,219	WOJDRUFF A 88-NM-346	
WORKSHOP ON HIGHER-ORDER SPECTRAL ANALYSIS UNIV OF SOUTHERN CALIFORNIA	MENDEL	JERRY	N 18/03/83 \$19,430	WOJDRUFF A 88-NM-348	
DYNAMIC PROGRAMMING FOR OPTIMAL DETECTION, CLASSIFICATION, ESTIMAT ION AND SPECTRAL ANALYSIS UNIV OF RHODE ISLAND	KAY	STEVEN	N 21/03/83 \$210,795	WOJDRUFF A 83-NM-353	
ALGEBRAIC ASPECTS OF NETWORK RELIABILITY PROBLEMS COLLEGE OF WILLIAM AND MARY	SHIEH	DUGLAS	N 31/03/83 \$111,993	WOJDRUFF A 83-NM-358	
RELIABILITY ASSESSMENT FOR SYSTEMS SUBJECT TO MAINTENANCE & REPAIR UNIV COLLEGE - CUNY	BROWN	MARK	R 31/03/83 \$35,657	WOJDRUFF A 83-NM-359	
RELIABILITY AND STATISTICS APPLIED TO THE THEORY OF ALGORITHMS			N 36		

REPORT DATE 0-10-93

PROPOSAL STATUS REPORT ( 1 JAN 93 - 31 MAR 93 )

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TITLE  
TYPE (CONT.)  
INSTITUTION

PRINCETON UNIVERSITY

J.  
STEEL

TITLE	TYPE (CONT.)	INSTITUTION	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM PROPOSAL #	INITIATE START DATE TOT AMT
PRINCETON UNIVERSITY	J.	STEEL	31/03/83 \$211,520	4330RUFF 89-NM-370	

REPORT DATE 04/05/93

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TITLE INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED	STATUS PROGRAM #	INITIATE START DATE T01 AMT
UNDERGRADUATE RESEARCH ASSISTANTSHIP PROGRAM TEXAS TECH UNIVERSITY	ISHIMURA OSAMU	N 12 27/01/98 \$20,500	BARKER 83-NP-040	
A TWO-STREAM PLASMA ELECTRON MICROWAVE SOURCE FOR HIGH POWER APPLIED MICROWAVE PLASMA CONCEPTS	GUEST GARETH	N 06 05/02/88 \$49,820	BARKER 83-NP-049	
NOVEL ELECTRON-STREAM DRIVEN DEVICES FOR THE GENERATION OF AMPLIFICATION OF MILLIMETER-WAVE RADIATION ZET CORPORATION	PHELPS DAVE	N 06 05/02/88 \$50,486	BARKER 83-NP-051	
DEVELOPMENT OF MMWAVE SYNTRON CENTER FOR REMOTE SENSING	GANGULY SUMAN	N 06 05/02/88 \$62,490	BARKER 83-NP-052	
INVESTIGATION OF STIMULATED EMISSION STRIPLINE TRAVELING WAVE AMPL IFIER FOR MILLIMETER WAVE AMPLIFICATION STAP MICROWAVE	PHILLIPS ROBERT	N 06 16/02/88 \$49,748	BARKER 83-NP-082	
HIGH GAIN, METAL GRATING FREE ELECTRON LASER IRVINE SCIENCE ASSOCIATES	WESSEL FRANK	N 06 16/02/88 \$49,993	BARKER 83-NP-083	
MILLIMETER-WAVE/MICROWAVE FREE-ELECTRON POWER TUBE FE-TECH	ELIAS LUIS	N 06 16/02/98 \$57,330	BARKER 83-NP-094	
DEVELOPMENT OF THE AXIAL INJECTION TRITRON MASER (AXIM) BURKE TECHNOLOGIES INC.	BURKE JOHN	N 06 16/02/88 \$49,996	SARKEZA 83-NP-095	
ULTRA-SHORT PULSES OF MILLIMETER WAVE RADIATION VIA MODULATED QUA SI-OPTICAL SYNTRON PHYSICAL SCIENCES INC.	READ MICHAEL	N 06 19/02/98 \$49,997	BARKER 83-NP-097	
EFFICIENT ENERGY STORAGE & CONVERSION USING ADIABATIC COMPRESSION OF RELATIVISTIC ELECTRON PLASMAS APPLIED MICROWAVE PLASMA CONCEPTS	GUEST GARETH	R 12 07/03/93 \$83,500	BARKER 83-NP-100	

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REPORT DATE: JUN/05/84

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TITLE INVESTIGATION	TITLE (CONT'D.) INVESTIGATION	TYPE/MONTHS RECEIVED AMOUNT			STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TST ANT
		?	12	A		
A SYSTEM FOR INTERACTING WITH BASIC PLASMA PHYSICS COMPUTATIONS	JAYCO	17/03/83 \$100,488	BARKER 83-NP-106	\$26,488 01/07/88 \$100,488		
A JOINT INDUSTRY-UNIVERSITY PROGRAM FOR COMPUTATIONAL PLASMA RESEARCH	DODLEN	N				
SEARCH RESEARCH CONFERENCE IN ELECTRON SPECTROSCOPY	CRUICKSHANK	3RJCE	N	12/03/88 \$99,561	BARKER 88-NP-107	\$25,000 01/07/88 \$99,561
SPECTRALLY RESOLVED DETECTION OF RAPIDLY CHANGING IR SIGNATURES (P-0544)	ALEXANDER		N	05/01/88 \$10,000	KELLEY 83-NP-038	
SEARCH RESEARCH CONFERENCES INC	CRECH	ROBERT	N	05/02/88 \$49,993	KELLEY 83-NP-055	
1983 SEARCH CONFERENCE IN PLASMA CHEMISTRY	JARSCADDEN	ALAN	N	29/02/85 \$6,500	KELLEY 83-NP-030	\$6,500 01/07/88 \$6,500
EXPERIMENTS WITH TRAPPED NEUTRAL ATOMS			•	12/03/88 \$55,000	KELLEY 88-NP-037	\$55,000 01/07/88 \$55,000
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	PRITCHARD	DAVID	N	02/03/88 \$55,000	KELLEY 88-NP-038	
PARTICIPATION IN EXCITED ATOMIC STATES AND RADIATIVE RECOMBINATION CALCULATIONS	THEOCLOUD	C.	N	07/03/83 \$49,323	KELLEY 83-NP-039	
INTERMOLECULAR ASSOCIATION IN ICNS IN GASES	PLATNEY	M	N	15/03/83 \$99,311	KELLEY 83-NP-105	\$99,211 01/07/88 \$99,311
SEAGRA TECH RESEARCH CORPORATION	DOUGLAS		N	18/03/89 \$7,500	KELLEY 89-NP-103	\$7,500 01/07/88 \$7,500
STRUCTURE STUDIES IN POLYISOPROPYL			N	32	A	\$239,054

TITLE	INVESTIGATOR	TYPE / MONTHS RECEIVED	STATUS	INITIATE START DATE
INSTITUTE	AMOUNT	PROGRAM	PROGRAM #	END DATE
HARVARD UNIVERSITY	GARRELS	GENERAL	PRINCE 33-NP-042	01/03/83 3764,347
NOVEL TECHNIQUES IN SEISMIC DETECTION	V.	N 06 06/02/88 \$49,543	PRINCE 88-NP-053	
POTOMAC SYNTETIC INC. (PSI)	CORCORAN	N 06 09/02/88 \$50,576	PRINCE 88-NP-055	
INVENTION THEORETICAL DISCRIMINANT FOR SEISMIC DETECTION AND DIFFERENTIATION	STONE	N 06 09/02/88 \$49,543	PRINCE 88-NP-057	
MISSION RESEARCH CORP	WEST	STEVE		
MULTIVARIATE SIGNAL ANALYSIS NOVEL TECHNIQUES IN SEISMIC DETECTION	KOH	PAUL		
TDI GEOPHYSICS CORPORATION	KOH	JOSEPH		
INVESTIGATION OF IMPROVED PIEZOELECTRIC SEISMIC TRANSDUCERS	WILCOXON	•		
ATLANTA RESEARCH				
DEVELOPMENT OF FIBER OPTIC SEISMOMETER SYSTEM	CARMIE			
EDGEMARINE SERVICES PRODUCTS	EDWARD			
NOVEL TECHNIQUES IN SEISMIC DETECTION	DAL	NICK		
SATELITE-BORNE SEISMOMETER (SBS) FOR ESTIMATION OF YIELDS OF UNDERGROUND NUCLEAR TESTS	SQUIRE	ROBERT		
EAGLE RESEARCH GROUP, INC.				
THE USE OF MULTIVARIATE SYSTEM IDENTIFICATION TECHNIQUES FOR NOVEL SEISMIC DETECTION	SHAPIR	DAVID		
MULTIVARIATE IDENTIFICATION OF SEISMIC DISTURBANCES AND				

REPORT DATE 10/25/93

PROVISIONAL STATUS REPORT ( 1 JAN 93 - 31 MAR 93)

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TITLE TITLE (CONT.)	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TDT AMT	
				TITLE	PRINCE 59-NP-074
EARTHQUAKES APPLIED CRYSTAL ENGINEERING, INC.	KEYSFQ	11/02/88 \$49,306	PRINCE 59-NP-074		
SEISMIC DETECTION BY USE OF SUPERCONDUCTIVE MAGNETIC LEVITATION		N 06 16/02/93 \$49,990	PRINCE 89-NP-036		
LEARN ASSOCIATES, INC.	COOIE	N 06 16/02/93 \$49,990	PRINCE 89-NP-037		
EXTREMELY SENSITIVE, RUGGED, AND DIRECTIONAL SEISMOMETER	CRAVENS	JENNIS	N 06 18/02/93 \$50,000	RADOSKI 89-NP-041	
OPTIMA SYSTEMS, INC.	EXCUTAN	LEJUN	N 36 27/01/93 \$439,922	RADOSKI 89-NP-041	
DIAGNOSTICS OF MAGNETIC STORMS USING SATELLITE OBSERVATIONS OF MAGNETIC PULSATIONS	LIM	CHIN	N 06 05/02/93 \$50,364	RADOSKI 89-NP-050	
SEISMATIC PULSATIONS OF THE EARTH'S MAGNETOSPHERE		POT	N 06 05/02/93 \$50,364	RADOSKI 89-NP-050	
SELECTED MAGNETIC APPLICATIONS, INC.	Y;		N 36 27/01/93 \$439,922	RADOSKI 89-NP-053	
MAGNETIC PULSATIONS AS DIAGNOSTIC OF EARTH'S MAGNETOSPHERE	SOMAYAJULU	Y.	N 06 05/02/93 \$439,935	RADOSKI 89-NP-053	
SN SYSTEMS & RESEARCH CORPORATION			N 06 05/02/93 \$439,935	RADOSKI 89-NP-053	
MODELING OF THE GLOBAL IONOSPHERIC		MICHAEL	N 06 05/02/89 \$49,783	RADOSKI 89-NP-054	
ENRICO LEVI, INC.	WHANG		N 06 05/02/89 \$49,783	RADOSKI 89-NP-054	
PROJECT COVATIC INVERSE SOURCE: A COMPUTER MODELING PROGRAM			N 36 09/02/98 \$483,558	RADOSKI 89-NP-055	
ENVIS-AER ELECTROSTATIC INSTITUTE	LEJUN;	CHIN	N 36 09/02/98 \$483,558	RADOSKI 89-NP-055	
SEDMAGNETIC PULSATIONS AS DIAGNOSTIC OF THE EARTH'S MAGNETOSPHERE	PRASAD	J.	N 36 16/02/88 \$49,555	RADOSKI 89-NP-079	
AEROTECH SYSTEMS CORPORATION			N 06 16/02/88 \$49,555	RADOSKI 89-NP-079	
SEDMAGNETIC PULSATIONS AS A DIAGNOSTIC OF THE EARTH'S MAGNETO- SPHERE			N 06 16/02/88 \$49,555	RADOSKI 89-NP-079	
TECHNIC RESISTANCE LABORATORIES	SAJUCH		N 06 16/02/88 \$49,555	RADOSKI 89-NP-079	
SEDMAGNETIC PULSATIONS AS A DIAGNOSTIC OF THE EARTH'S MAGNETO- SPHERE			N 06 16/02/88 \$49,555	RADOSKI 89-NP-079	

TITLE TITLE (CONT'D) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
CORRELATION OF LAND BASED STYLAR DIAGNOSTICS WITH AEGIS-MAGNET DATA TOPIC TECHNOLOGY	ROBERT GRAY	16/02/83 \$48,000	RACOSKI 33-NP-001	
FEASIBILITY STUDY FOR LAGEOS SATELLITE EXPERIMENT	W. MILLER	N 12 12/01/88 \$35,000	A SCHLOSSBER 88-NP-034	\$35,000 01/10/87 \$35,000
NONLINEAR OPTICAL PHASE CONJUGATION STUDIES	ANN W. YARIV	N 24 14/01/88 \$220,000	A SCHLOSSBER 88-NP-035	\$110,000 01/01/88 \$220,000
ORGANIZATION OF THE TOPICAL MEETING ON NONLINEAR OPTICAL PROPERTIES OF MATERIALS TOPICAL SOCIETY OF AMERICA	JARUS QUINN	N 12 29/01/88 \$15,000	A SCHLOSSBER 88-NP-043	\$15,000 01/05/83 \$15,000
ORGANIZATION OF THE FOURTH TOPICAL MEETING ON SHORT WAVELENGTH COHERENT RADIATION: GENERATION AND APPLICATIONS	JARUS QUINN	N 12 29/01/88 \$10,000	A SCHLOSSBER 88-NP-044	\$10,000 01/05/83 \$10,000
PICSECOND OSCILLOSCOPE	PUTNAM	N 05 29/01/88 \$49,369	SCHLOSSBER 38-NP-046	
AERODYNE RESEARCH INC	SYED ROBERT			
SYNTHETIC NONLINEAR MEDIA STANFORD UNIVERSITY		N 36 02/02/83 \$1,046,288	A SCHLOSSBER 88-NP-047	\$197,817 01/08/83 \$1,030,288
ULTRA-SENSITIVE ELEMENT ANALYSIS BY COMBINING LASER ATOMIZATION WITH RESONANCE IONIZATION SPECTROSCOPY	THOMMAR NORTERT	N 06 03/02/88 \$56,655	SCHLOSSBER 88-NP-058	
OPTICAL SCATTER INSTRUMENT FOR HIGH PERFORMANCE OPTICS DEACON RESEARCH	G. DEACON DAVID	N 06 08/02/88 \$54,985	SCHLOSSBER 88-NP-059	
DESIGN AND APPLICATION OF AN OPTICAL SCATTERMETER FOR SURFACE DIAGNOSTICS SANDIA LABORATORIES	JACOBSEN RODNEY	N 06 09/02/88 \$57,522	SCHLOSSBER 33-NP-060	
(TEMP) CONTINUOUS-WAVE ULTRAVIOLET LASER		N 05		

TITLE	INVESTIGATOR	TYPE/MONTHS RECEIVED	STATUS	PROGRAM MANAGER	INITIATE
TITLE (CONT.)		AMOUNT	PROPOSAL #		START DATE
INVESTIGATOR					TOT AMT
SANDIA LABORATORIES	YU	ZENGJI	09/02/93 \$56,554	SCHLOSSBER 83-NP-051	
MICROWAVE CHARACTERIZATION OF NONLINEAR PROPERTIES OF MATERIALS		N 06 08/02/88 \$49,731		SCHLOSSBER 88-NP-052	
LARDO SCIENTIFIC INC.		SYLVAN			
CRYSTAL LASER BEAM MONITOR					
KUD & ASSOCIATES	MCCANN	MICHAEL	N 06 16/02/88 \$50,000	SCHLOSSBER 88-NP-075	
A MODULATED, NON-CONTACT ROUNDNESS MEASUREMENT SYSTEM: CONTROL					
SYSTEM & SENSOR CAPABILITIES	PAPUAT	DAVID	N 06 16/02/88 \$57,225	SCHLOSSBER 88-NP-076	
ADVANCED PULSED NARROWBAND LASER					
LASER TECHNOLOGY ASSOCIATES	DOWN	DAVID	N 06 16/02/88 \$49,975	SCHLOSSBER 88-NP-077	
SEISMAGNETIC PULSATIONS AS A DIAGNOSTIC OF THE EARTH'S MAGNETOSPHERE					
SYNTECS CORP	LAZADORA	GREGORY	N 06 16/02/93 \$50,156	SCHLOSSBER 93-NP-078	
SINGLE CRYSTAL FILTERS FOR MEDICAL IMAGING					
LASER SERVICES CORPORATION	SCHLECHT	RICHARD	N 06 18/02/88 \$49,339	SCHLOSSBER 88-NP-088	
RESEARCH INSTRUMENTATION (RIFESCOL) FOR FREE SPACE OPTICAL DATA LINK					
ENERGY OPTICS, INC.	COX	TIMOTHY	N 06 18/02/88 \$52,107	SCHLOSSBER 88-NP-089	
DEVELOPMENT OF A PORTABLE AUTOMATED DIRECTIONAL REFLECTOMETER					
SURFACE OPTICS CORPORATION	HEU	JOHN	N 06 19/02/93 \$49,956	SCHLOSSBER 93-NP-090	
UV/VUV FEL STORAGE RING AND LINAC					
DUKE UNIVERSITY		JORDAN M.	N 26 13/02/93 \$7,213,534	A SCHLOSSBER 93-NP-092	\$300,000 01/07/93 \$3,500,000
UV/UV EXCIMER LASER					

TITLE INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TDT AMT
POLYMAC PHOTONICS INC. DARTMOUTH UNIVERSITY	C. PAUL CHRISTENSEN	24/02/88 \$48,936	SCHLOSSBER 89-NP-093	
PLASMA MECHANISMS IN EFFICIENT SOLID-STATE LASER MATERIALS DUKE UNIVERSITY	BARTOLD JOHN	N 12 24/02/88 \$110,673	SCHLOSSBER 89-NP-094	
RESEARCH ON ADVANCED SOURCE DEVELOPMENT AND APPLICATIONS DUKE UNIVERSITY	NADEY	N 12 24/02/88 \$600,000	SCHLOSSBER 89-NP-095	\$210,000 01/05/88 \$500,000
VACUUM-ULTRAVIOLET FREE-ELECTRON LASER UNIV OF CALIFORNIA	BRAU	N 24 07/03/89 \$1,499,348	SCHLOSSBER 88-NP-099	
SUPERSECOND ELECTRONIC SAMPLING AND DISTRIBUTED NONLINEAR ELECTRONICS STANFORD UNIVERSITY	C.	N 36 11/03/88 \$564,237	SCHLOSSBER 88-NP-101	\$60,000 01/03/88 \$564,237
SIXTH ROCHESTER CONFERENCE ON COHERENCE AND QUANTUM OPTICS UNIV OF ROCHESTER	SLADEK EERY	N 36 11/03/88 \$44,330	SCHLOSSBER 89-NP-102	
PARTIAL SUPPORT OF THE FOURTH INTERNATIONAL LASER SCIENCE CONFERENCE UNIV OF IDAHO	SWALLEY	N 12 11/03/88 \$10,000	SCHLOSSBER 89-NP-103	
STIMULATED SCATTERING AND DOWSE CONJUGATION IN PHOTOREFRACTIVE MATER IALS UNIV OF SOUTHERN CALIFORNIA	FETTERBERG WILLIAM	N 36 14/03/88 \$544,045	SCHLOSSBER 89-NP-104	\$86,000 01/07/88 \$544,045
CM ULTRAVIOLET LASER EXCITED WITH AN ELECTRON BEAM COLLEGE STATE UNIVERSITY	JACK COCA	N 12 23/03/88 \$58,920	SCHLOSSBER 89-NP-110	\$35,529 01/07/88 \$35,529
DEVELOPMENT OF PHOTO-COUPLED SCANNING FILMS SEARCH RESEARCH	JURIEFF ANTONI	N 26 30/03/88 \$49,370	SCHLOSSBER 89-NP-112	\$49,368 01/07/88 \$49,368
INNOVATIVE SCIENCES TECHNICAL EXPERIMENTATION CENTER		N 23 A		\$500,000

TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED	STATUS PROGRAM MANAGER	INITIATE START DATE TOT AMT	
				AMOUNT	PRCP23AL *
EASTERN SPACE & MISSILE CENTER	KENNEDY	22/01/88 \$500,000	MICK	5-MTH 83-NP-036	01/01/88 \$500,000
APPLICATION OF NONLINEAR OPTICAL TECHNIQUES TO COUPLING AND CLASSIFYING OF MULTIPLE LASER DEVICES	ROH	N 22/01/88 \$50,000	A SMITH	A SMITH 83-NP-037	\$50,000 01/02/88 \$50,000
OPTICALLY CONTROLLED SOLID STATE REPETITIVE OPENING SWITCHES: HIGH TC SUPERCONDUCTORS AND DIAMOND AND GRAPHITE	LEE	N 29/01/88 \$499,500	A SMITH	A SMITH 83-NP-045	\$54,121 01/06/88 \$489,500
SOLID INNOVATIVE SCIENCE AND TECHNOLOGY: PARTICLE DREAMS	VIGEL	N 04/02/88 \$50,000	A SMITH	A SMITH 83-NP-048	
GRAND CHALLENGES TO COMPUTATIONAL SCIENCE	PAUL	N 03/02/88 \$10,000	A SMITH	A SMITH 83-NP-056	
LAWRENCE LIVERMORE LAB (CALL= JNIV)	NOVAK	N 03/02/88 \$10,000	A SMITH	A SMITH 83-NP-057	
MAGNETIC DEFLECTION OSCILLATOR, A HIGH POWER DEVICE	MOENY	N 03/02/88 \$10,000	A SMITH	A SMITH 83-NP-058	
ASSOCIATION: RECOMBINATIONS: THEORY, EXPERIMENT AND APPLICATION	MITCHELL	N 03/02/88 \$10,000	A SMITH	A SMITH 83-NP-059	
FLUCTUATIONS IN H SURFACES	RICHARD	N 16/03/88 \$150,000	A SMITH	A SMITH 83-NP-103	
LOS ALAMOS SCIENTIFIC LAB (CCF)	GERWIN	N 28/03/88 \$249,992	A SMITH	A SMITH 83-NP-111	
THEORETICAL STUDIES OF THE ELECTRONICS AND RESONANCE STRUCTURE OF ATOMIC AND MOLECULAR NEGATIVE IONS	MICHAEL	N 28/03/88 \$249,992			
UNITED TECHNOLOGIES RESEARCH CENTER	W.	N 28/03/88 \$249,992			